



User Manual

Read and understand this manual before using machine.

10" RIVING KNIFE CABINET SAW



SHOWN WITH GRANITE TABLE TOP

Model Number
35903
35904
35911
35912



STEEL CITY TOOL WORKS
VER. 01.11

Manual Part No. SC75002

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INTRODUCTION

This user manual is intended for use by anyone working with this machine. It should be kept available for immediate reference so that all operations can be performed with maximum efficiency and safety. Do not attempt to perform maintenance or operate this machine until you have read and understand the information contained in this manual.

The drawings, illustrations, photographs, and specifications in this user manual represent your machine at time of print. However, changes may be made to your machine or this manual at any time with no obligation to Steel City Tool Works.

PRODUCT SPECIFICATIONS

	<u>Model No. 35903</u>	<u>Model No. 35904</u>	<u>Model No. 35911</u>	<u>Model No. 35912</u>
Motor	Induction	Induction	Induction	Induction
HP	1.75	3	1.75	3
Amps	15 / 7.5	13	15 / 7.5	13
Volts	120 / 240	240	120 / 240	240
Hertz	60	60	60	60
RPM	3450	3450	3450	3450
Blade Tilt	Left	Left	Left	Left
Blade Drive	Poly-V Belt	Poly-V Belt	Poly-V Belt	Poly-V Belt
Blade Diameter	10-in	10-in	10-in	10-in
Blade Arbor	5/8-in	5/8-in	5/8-in	5/8-in
Number of Teeth	40	40	40	40
Blade Speed	3450	3450	3450	3450
Max Depth of Cut at 90°	3-3/8-in	3-3/8-in	3-3/8-in	3-3/8-in
Max Depth of Cut at 45°	2-1/4-in	2-1/4-in	2-1/4-in	2-1/4-in
Table in front of blade at max Depth of Cut	12-1/2-in	12-1/2-in	12-1/2-in	12-1/2-in
Max Dado Width	13/16-in	13/16-in	13/16-in	13/16-in
Max Dado Blade Diameter	8-in	8-in	8-in	8-in
Extension Wings	12-in cast iron(2)	12-in cast iron(2)	12-in Granite(1)	12-in Granite(1)

Product Dimensions

Footprint	20" x 22"	20" x 22"	20" x 22"	20" x 22"
Length	44"	44"	44"	44"
Width	27"	27"	27"	27"
Height	40"	40"	40"	40"
Weight	362 lb	386 lb	418 lb	441 lb

Shipping Dimensions

Length	33-1/2-in	33-1/2-in	33-1/2-in	33-1/2-in
Width	30-1/2-in	30-1/2-in	30-1/2-in	30-1/2-in
Height	41-5/8-in	41-5/8-in	41-5/8-in	41-5/8-in
Gross Weight	413 lb	437 lb	469 lb	492 lb

ACCESSORIES AND ATTACHMENTS

There are a variety of accessories available for your Steel City Product. For more information on any accessories associated with this and other machines, please contact your nearest Steel City distributor, or visit our website at : www.steelcitytoolworks.com.

DEFINITION OF TERMS

Anti-Kickback Fingers – A safety device attached to the blade guard and splitter assembly designed to minimize the chance of a workpiece being thrown back during a cutting operation.

Arbor – The shaft on which the blade or accessory cutting-tool is mounted.

Bevel Cut – The operation of making any cut with the blade set at an angle other than 90 degrees.

Compound Cut – The operation of making both a bevel and a miter cut at one time.

Crosscut – The operation of making a cut across the grain or width of a workpiece.

Dado – A non-through cut that produces a square notch. A dado is typically from 1/8-in. to 13/16-in. wide. A dado requires a special set of blades, not included with this table saw.

Featherboard – An accessory device that can be made or purchased to help guide or hold down a workpiece during cutting operations.

Freehand – A very dangerous operation of making a cut without using the fence or miter gauge in a cutting operation. **FREEHAND CUTS MUST NEVER BE PERFORMED ON A TABLE SAW.**

Gum, Pitch or Resin – A sticky, sap based residue that comes from wood products.

Heeling – The misalignment of the blade to the miter slots; when the blade is not parallel to the miter slots.

Kerf – The material removed from the workpiece by the blade during any cutting operation.

Kickback – When the workpiece is thrown back toward the operator at a high rate of speed during a cutting operation.

Riving Knife-The same as splitter-it prevents the slot cut into kerf from closing behind the blade on a rip. Also the clearance between riving knife and blade will be consistent when raising or lowering blade.

Miter Cut – The operation of making a cut using the miter gauge at any angle other than zero degrees.

Push Stick – An accessory device that can be made or purchased to help push the workpiece through the blade. A push stick is used to keep the operator hands away from the blade when ripping a narrow workpiece.

Rabbet – A square notch in the edge of the workpiece.

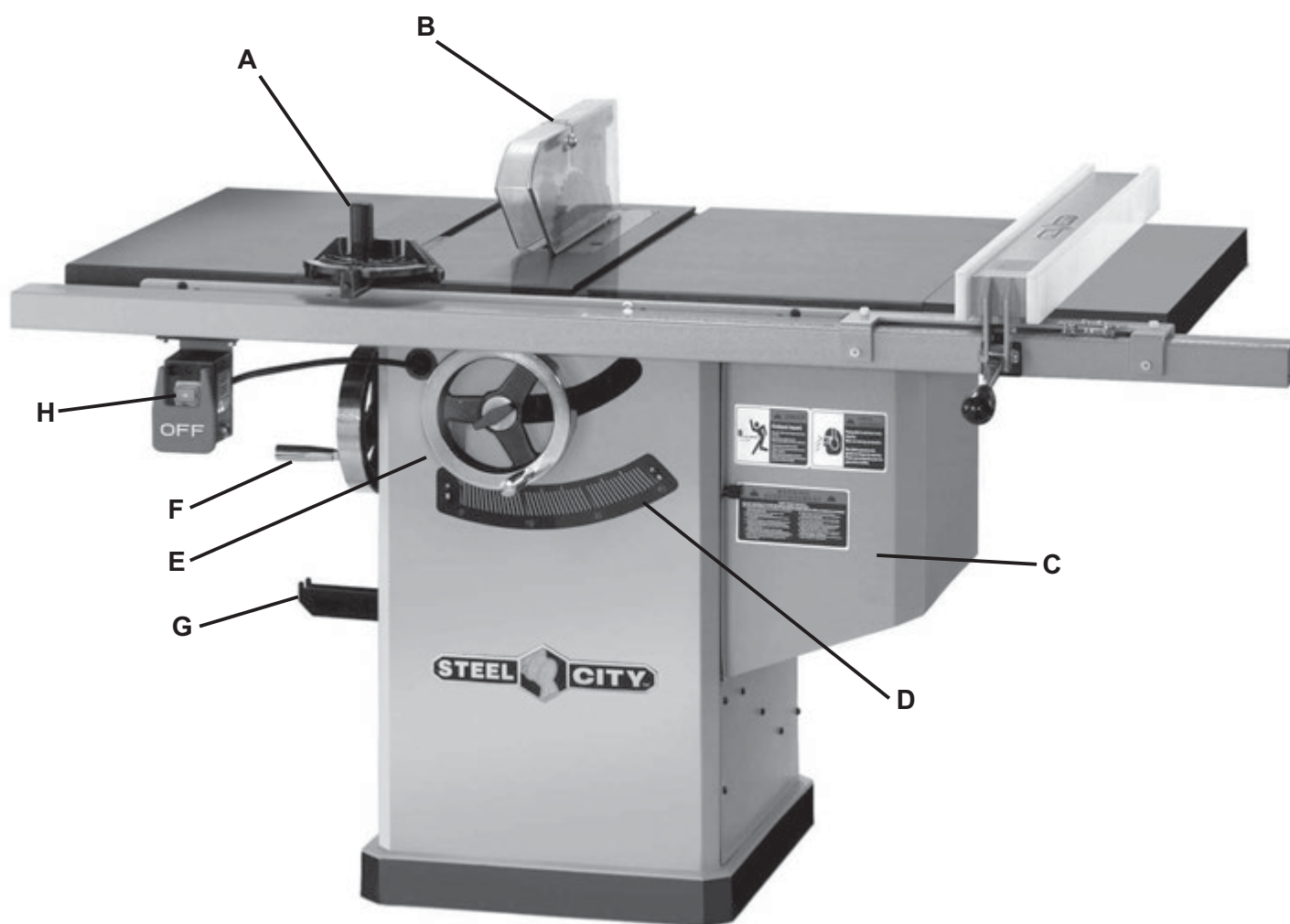
Rip Cut – The operation of making a cut with the grain or down the length of the workpiece.

Saw Blade Path – The area that is directly in line with the blade, including area over, under, behind and in front of it.

Set of the Saw Blade – The distance that the tips of the saw blade are angled outwards from the thickness of the blade.

Table/Work Area – The total surface of the top of the table saw on which the workpiece rests while set-up or cutting operations are being performed.

FEATURE IDENTIFICATION



- A) Miter Gauge
- B) Blade Guard Assembly with riving knife
- C) Motor Cover
- D) Bevel Scale
- E) Height Adjustment Handwheel
- F) Bevel Adjustment Handwheel
- G) Fence Hooks (2)
- H) On/Off Switch

(Shown with optional fence and table board)

GENERAL SAFETY

WARNING

TO AVOID serious injury and damage to the machine, read and follow all Safety and Operating Instructions before assembling and operating this machine.

This manual is not totally comprehensive. It does not and can not convey every possible safety and operational problem which may arise while using this machine. The manual will cover many of the basic and specific safety procedures needed in an industrial environment.

All federal and state laws and any regulations having jurisdiction covering the safety requirements for use of this machine take precedence over the statements in this manual. Users of this machine must adhere to all such regulations.

Below is a list of symbols that are used to attract your attention to possible dangerous conditions.



This is the international safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

WARNING

Indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices.

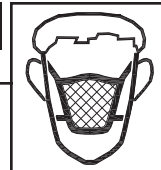
CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

NOTICE

This symbol is used to alert the user to useful information about proper operation of the machine.

WARNING



Exposure to the dust created by power sanding, sawing, grinding, drilling and other construction activities may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer, and death. Avoid breathing the dust, and avoid prolonged contact with dust. The dust may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

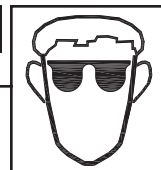
Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

Always operate tool in well ventilated area and provide for proper dust removal. Use a dust collection system along with an air filtration system whenever possible. Always use properly fitting NIOSH/OSHA approved respiratory protection appropriate for the dust exposure, and wash exposed areas with soap and water.

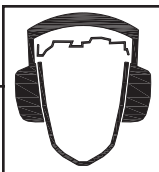
1. To avoid serious injury and damage to the machine, read the entire User Manual before assembly and operation of this machine.

WARNING



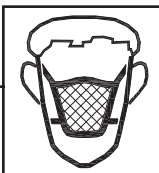
2. **ALWAYS** wear eye protection. Any machine can throw debris into the eyes during operations, which could cause severe and permanent eye damage. Everyday eyeglasses are **NOT** safety glasses. **ALWAYS** wear Safety Goggles (that comply with ANSI standard Z87.1) when operating power tools.

⚠ WARNING



3. **ALWAYS** wear hearing protection. Plain cotton is not an acceptable protective device. Hearing equipment should comply with ANSI S3.19 Standards.

⚠ WARNING



4. **ALWAYS** wear a NIOSH/OSHA approved dust mask to prevent inhaling dangerous dust or airborne particles.

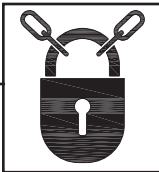
5. **ALWAYS** keep the work area clean, well lit, and organized. **DO NOT** work in an area that has slippery floor surfaces from debris, grease, and wax.
6. **ALWAYS** unplug the machine from the electrical receptacle before making adjustments, changing parts or performing any maintenance.
7. **AVOID ACCIDENTAL STARTING.** Make sure that the power switch is in the "OFF" position before plugging in the power cord to the electrical receptacle.

⚠ WARNING



8. **AVOID** a dangerous working environment. **DO NOT** use electrical tools in a damp environment or expose them to rain or moisture.

⚠ WARNING



9. **CHILDPROOF THE WORKSHOP AREA** by removing switch keys, unplugging tools from the electrical receptacles, and using padlocks.

10. **DO NOT** use electrical tools in the presence of flammable liquids or gasses.

11. **DO NOT FORCE** the machine to perform an operation for which it was not designed. It will do a safer and higher quality job by only performing operations for which the machine was intended.
12. **DO NOT** stand on a machine. Serious injury could result if it tips over or you accidentally contact any moving part.
13. **DO NOT** store anything above or near the machine.
14. **DO NOT** operate any machine or tool if under the influence of drugs, alcohol, or medication.
15. **EACH AND EVERY** time, check for damaged parts prior to using any machine. Carefully check all guards to see that they operate properly, are not damaged, and perform their intended functions. Check for alignment, binding or breakage of all moving parts. Any guard or other part that is damaged should be immediately repaired or replaced.
16. Ground all machines. If any machine is supplied with a 3-prong plug, it must be plugged into a 3-contact electrical receptacle. The third prong is used to ground the tool and provide protection against accidental electric shock. **DO NOT** remove the third prong.
17. Keep visitors and children away from any machine. **DO NOT** permit people to be in the immediate work area, especially when the machine is operating.
18. **KEEP** protective guards in place and in working order.
19. **MAINTAIN** your balance. **DO NOT** extend yourself over the tool. Wear oil resistant rubber soled shoes. Keep floor clear of debris, grease, and wax.
20. **MAINTAIN** all machines with care. **ALWAYS KEEP** machine clean and in good working order. **KEEP** all blades and tool bits sharp.
21. **NEVER** leave a machine running, unattended. Turn the power switch to the OFF position. **DO NOT** leave the machine until it has come to a complete stop.
22. **REMOVE ALL MAINTENANCE TOOLS** from the immediate area prior to turning the machine ON.
23. **SECURE** all work. When it is possible, use clamps or jigs to secure the workpiece. This is safer than attempting to hold the workpiece with your hands.
24. **STAY ALERT**, watch what you are doing, and use common sense when operating any machine. **DO NOT** operate any machine tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.

25. **USE ONLY** recommended accessories. Use of incorrect or improper accessories could cause serious injury to the operator and cause damage to the machine. If in doubt, **DO NOT** use it.
26. **THE USE** of extension cords is not recommended for 230V equipment. It is better to arrange the placement of your equipment and the installed wiring to eliminate the need for an extension cord. If an extension cord is necessary, refer to the chart in the Grounding Instructions section to determine the minimum gauge for the extension cord. The extension cord must also contain a ground wire and plug pin.
27. Wear proper clothing, **DO NOT** wear loose clothing, gloves, neckties, or jewelry. These items can get caught in the machine during operations and pull the operator into the moving parts. Users must wear a protective cover on their hair, if the hair is long, to prevent it from contacting any moving parts.
28. **SAVE** these instructions and refer to them frequently and use them to instruct other users.

29. Information regarding the safe and proper operation of this tool is also available from the following sources:

Power Tool Institute
1300 Summer Avenue
Cleveland, OH 44115-2851
www.powertoolinstitute.org

National Safety Council
1121 Spring Lake Drive
Itasca, IL 60143-3201

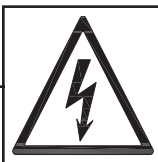
American National Standards Institute
25 West 43rd. St, 4th Floor
New York, NY. 10036
ANSI 01.1 Safety Requirements
For Woodworking Machines
WWW.ANSI.ORG

U.S. Department of Labor Regulations
OSHA 1910.213 Regulations
WWW.OSHA.GOV

PRODUCT SAFETY

1. Serious personal injury may occur if normal safety precautions are overlooked or ignored. Accidents are frequently caused by lack of familiarity or failure to pay attention. Obtain advice from supervisor, instructor, or another qualified individual who is familiar with this machine and its operations.
2. Every work area is different. Always consider safety first, as it applies to your work area. Use this machine with respect and caution. Failure to do so could result in serious personal injury and damage to the machine.
3. Prevent electrical shock. Follow all electrical and safety codes, including the National Electrical Code (NEC) and the Occupational Safety and Health Regulations (OSHA). All electrical connections and wiring should be made by qualified personnel only.

WARNING

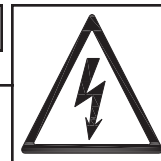


4. **TO REDUCE** the risk of electrical shock. **DO NOT** use this machine outdoors. **DO NOT** expose to rain or moisture. Store indoors in a dry area.

5. **STOP** using this machine, if at any time you experience difficulties in performing any operation. Contact your supervisor, instructor or machine service center immediately.

6. Safety decals are on this machine to warn and direct you to how to protect yourself or visitors from personal injury. These decals **MUST** be maintained so that they are legible. **REPLACE** decals that are not legible.
7. **DO NOT** leave the unit plugged into the electrical outlet. Unplug the unit from the outlet when not in use and before servicing, performing maintenance tasks, or cleaning.
8. **ALWAYS** turn the power switch "OFF" before unplugging the table saw.

WARNING



9. **DO NOT** handle the plug or table saw with wet hands.

10. **USE** accessories only recommended by Steel City.
11. **DO NOT** pull the table saw by the power cord. **NEVER** allow the power cord to come in contact with sharp edges, hot surfaces, oil or grease.
12. **DO NOT** unplug the table saw by pulling on the power cord. **ALWAYS** grasp the plug, not the cord.
13. **REPLACE** a damaged cord immediately. **DO NOT** use a damaged cord or plug. **DO NOT USE** if the table saw is not operating properly, or has been damaged, left outdoors or has been in contact with water.

14. **DO NOT** use near or around children.
15. **ENSURE** that the machine sits firmly on the floor before using. If the machine wobbles or is unstable, correct the problem by using shims or blocks prior to operation.
16. **KEEP** saw blade sharp and clean. Failure to do so greatly increases friction, decreases cut quality, and increases the possibility of a kickback.
17. **MAKE CERTAIN** the saw blade is parallel with the miter slots and with the rip fence. A blade that is not aligned parallel can cause the workpiece to be pinched between the blade and the fence causing burning or kickbacks.
18. **ALWAYS** use blade guard on all through cuts. This will help prevent the cut from closing on the back of the saw blade. The blade guard also has anti-kickback fingers which minimize the chance of a workpiece being thrown back during a cutting operation.
19. **ALWAYS** push the workpiece past the blade. **DO NOT** release a workpiece until it is past the blade and removed from the saw.
20. **DO NOT** execute a cut when you do not have complete control of the situation.
21. **DO NOT** cut a workpiece that is too large for you to safely handle. Use an outfeed table or workstand to properly support the piece.
22. **DO NOT** use the rip fence as a guide when crosscutting.
23. **BE MINDFUL** of flaws in the wood. Cutting a warped or twisted board along the rip fence can get pinched between the fence and the blade, causing a kickback.
24. **ALWAYS** remove cut off pieces and scraps from the table before starting the saw.
25. **NEVER** start the machine with the workpiece against the blade.
26. **NEVER** perform freehand operations. Use either the fence or miter gauge to position and guide the workpiece through the blade.
27. **ALWAYS** use a pushstick for ripping narrow workpieces.
28. **NEVER** have any part of your body in line with the path of the saw blade. If a kickback occurs with you directly in front of the blade, a serious injury can occur.
29. **NEVER** attempt to free a stalled blade without first turning the machine off and disconnecting the saw from the power source.
30. **DO NOT** reach over or behind a rotating saw blade.

ELECTRICAL REQUIREMENTS

⚠ WARNING



To reduce the risk of electric shock, follow all electrical and safety codes, including the National Electric Code (NEC) and the Occupational Safety and Health Regulations (OSHA). All electrical connections and wiring should be made by qualified personnel only.

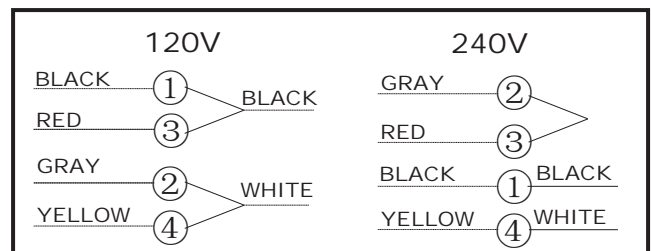
This manual is written for four specific models, Model No 35903, 35904, 35911 and 35912. Please follow the specific requirements for your model saw.

MODEL NO 35903, 35911

The switch provided with your saw is a dual voltage capable switch, meaning it is designed to function at either 120 or 240 volts. The switch and saw comes pre-wired for 120 volt operation. If you decide to convert the saw to 240V, you will have to replace the 120 volt plug on the switch with a UL/CSA Listed plug, suitable for 240 volts. The table saw with a 240 volt plug should only be connected to an outlet having the same configura-

tion of your 240V outlet. Please follow the instruction of wiring diagram for changing the motor Voltage from 120 Volt to 240 Volt.

WIRING DIAGRAM



MODEL NO 35904, 35912

The switch provided with your saw is a magnetic switch designed for 240 volt single phase usage only. The switch has a plug that is designed to plug into a 240 volt outlet. There are many different configurations for 240 volt outlets, so it is conceivable that the configuration of the plug may not match the configuration of your existing outlet. If this is the case, you will have to replace the plug with a UL/CSA approved plug that matches the configuration of your 240V outlet.

GROUNDING INSTRUCTIONS

⚠ WARNING



This machine **MUST BE GROUNDED** while in use to protect the operator from electric shock.

In the event of a malfunction or breakdown, **GROUNDING** provides the path of least resistance for electric current and reduces the risk of electric shock. The plug **MUST** be plugged into a matching electrical receptacle that is properly installed and grounded in accordance with **ALL** local codes and ordinances.

If a plug is provided with your machine **DO NOT** modify the plug. If it will not fit your electrical receptacle, have a qualified electrician install the proper connections to meet all electrical codes local and state. All connections must also adhere to all of OSHA mandates.

IMPROPER ELECTRICAL CONNECTION of the equipment-grounding conductor can result in risk of electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment-grounding conductor. **DO NOT** connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if you do not completely understand the grounding instructions, or if you are not sure the tool is properly grounded.

PLUGS/RECEPTACLES

⚠ WARNING



- Electrocution or fire could result if this machine is not grounded properly or if the electrical configuration does not comply with local and state electrical codes.
- **MAKE CERTAIN** the machine is disconnected from power source before starting any electrical work.
- **MAKE SURE** the circuit breaker does not exceed the rating of the plug and receptacle.

The motor supplied with your machine is either a 120/240 dual voltage motor (Model 35903 & 35911) or a dedicated 240 volt, single phase motor (Model 35904 & 35912). Never connect the green or ground wire to a live terminal.

The machine should only be connected to an outlet having the same configuration as the plug.

EXTENSION CORDS

⚠ WARNING



To reduce the risk of fire or electrical shock, use the proper gauge of extension cord. When using an extension cord, be sure to use one heavy enough to carry the current your machine will draw.

The smaller the gauge-number, the larger the diameter of the extension cord is. If in doubt of the proper size of an extension cord, use a shorter and thicker cord. An undersized cord will cause a drop in line voltage resulting in a loss of power and overheating.

⚠ CAUTION

USE ONLY a 3-wire extension cord that has a 3-prong grounding plug and a 3-pole receptacle that accepts the machine's plug.

If you are using an extension cord outdoors, be sure it is marked with the suffix "W-A" ("W" in Canada) to indicate that it is acceptable for outdoor use.

Make certain the extension cord is properly sized, and in good electrical condition. Always replace a worn or damaged extension cord immediately or have it repaired by a qualified person before using it.

Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

MINIMUM RECOMMENDED GAUGE FOR EXTENSION CORDS (AWG)

120 VOLT OPERATION ONLY

	25' LONG	50' LONG	100' LONG
0 to 6 Amps	18 AWG	16 AWG	16 AWG
6 to 10 Amps	18 AWG	16 AWG	14 AWG
10 to 12 Amps	16 AWG	16 AWG	14 AWG
12 to 15 Amps	14 AWG	12 AWG	Not recommended

MINIMUM RECOMMENDED GAUGE FOR EXTENSION CORDS (AWG)

240 VOLT OPERATION ONLY

	25' LONG	50' LONG	100' LONG
0 to 6 Amps	18 AWG	18 AWG	16 AWG
6 to 10 Amps	18 AWG	18 AWG	14 AWG
10 to 12 Amps	16 AWG	16 AWG	14 AWG
12 to 15 Amps	14 AWG	12 AWG	Not recommended

UNPACKING & INVENTORY

⚠ WARNING



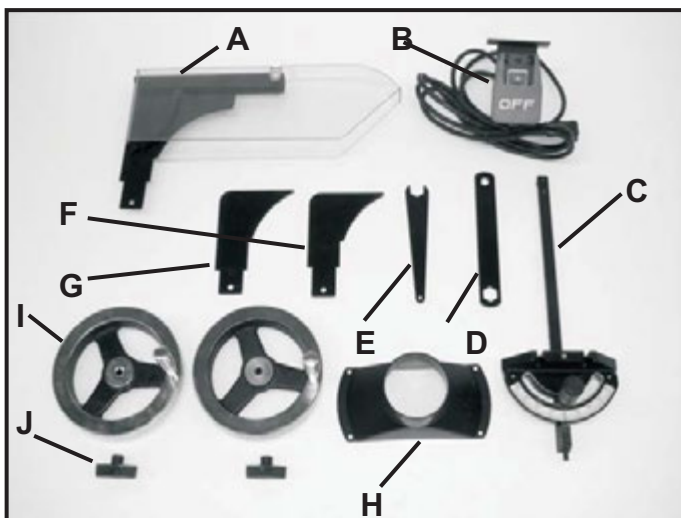
- The machine is heavy, two people are required to unpack and lift.
- Use a safety strap to avoid tip over when lifting machine.

Remove any protective materials and coatings from all of the parts and the table saw. The protective coatings can be removed by spraying WD-40.

Check shipping carton and machine for damage before unpacking. Carefully remove packaging materials, parts and machine from shipping carton. Always check for and remove protective shipping materials around motors and moving parts. Lay out all parts on a clean work surface.

The parts for 35903.35904,35911.35912

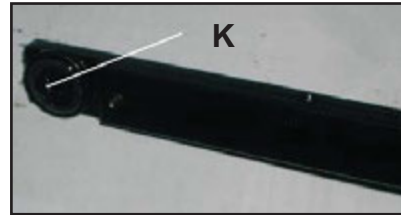
- A) Blade Guard and Splitter Assembly
- B) On/Off Switch
- C) Miter Gauge
- D) Blade Wrench
- E) Blade Wrench
- F) Riving Knife
- G) Riving Knife
- H) Dust Port
- I) Handwheel Assembly (2)
- J) Handwheel Lock Knob (2)



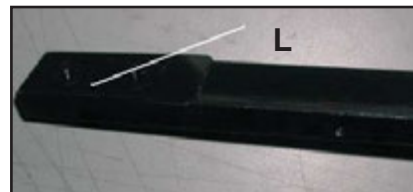
Important Note:

When using any aftermarket accessory such as a tenoning jig or miter gauge with a washer type T-slot, it is suggested the washer be removed to minimize the chance of damaging the t-slot in the table.

For 35903&35904 (cast iron)only
The part(K) is on the miter gauge



For 35911&35912 (granite) only
The part(L) is on the miter gauge
Make sure the plate is parallel to the miter bar before inserting into the table miter slot.



For 35904 & 35912
Only



For 35903 & 35911
only



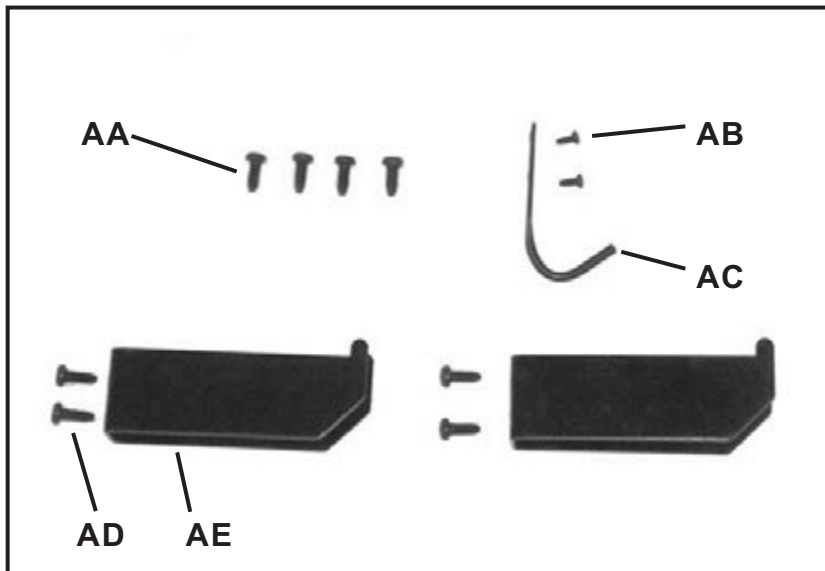
⚠ WARNING

Parts can be cleaned by spraying WD-40 on them and wiping it off with a soft cloth. This may need redone several times before all of the protective coatings are removed completely.

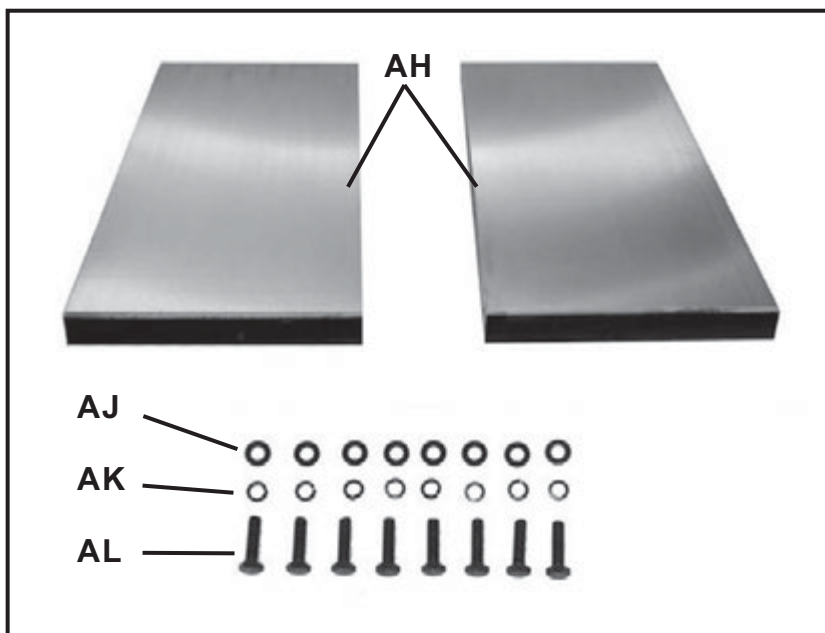
After cleaning, apply a good quality paste wax to any unpainted surfaces. Make sure to buff out the wax before assembly.

Compare the items to inventory figures; verify that all items are accounted for before discarding the shipping box.

If any parts are missing, do not attempt to plug in the power cord and turn "ON" the machine. The machine should only be turned "ON" after all the parts have been obtained and installed correctly. For missing parts, contact Steel City at 1-877-SC4-TOOL.

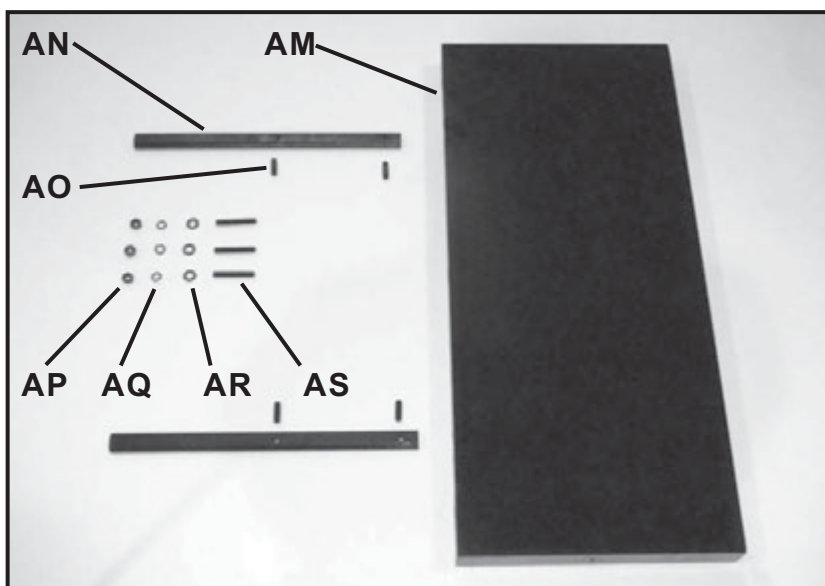


- AA) 1/4-20 x 1/2" ROUND HD TAP SCREW (4) for dust chute
- AB) M4 x 8mm ROUND HD TAP SCREW (2)
- AC) WRENCH HOOK
- AD) 1/4-20 x 3/8" ROUND HD TAP SCREW (4)
- AE) FENCE BRACKET (2)



FOR 35903 & 35904 CAST IRON TABLE ONLY

- AH) Cast Iron Wings (2)
- AJ) M8 FLAT WASHER (8)
- AK) M8 LOCK WASHER (8)
- AL) M8 x 30 HEX HD SCREW (8)



FOR 35911 & 35912 GRANITE TABLE ONLY

- AM) GRANITE EXTENSION WING
- AN) Support Bar(2)
- AO) M8 x 20mm HEX SOC SET SCREW (4)
- AP) 5/16-18 HEX NUT (3)
- AQ) M8 LOCK WASHER (3)
- AR) M8 FLAT WASHER (3)
- AS) 5/16-18 x 2" HEX SOC SET SCREW (3)

ASSEMBLY

⚠ WARNING

- The table saw is a heavy machine; two people may be required for certain assembly operations.
- **DO NOT** assemble the table saw until you are sure the tool is unplugged.
- **DO NOT** assemble the table saw until you are sure the power switch is in the "OFF" position.
- For your own safety, **DO NOT** connect the machine to the power source until the machine is completely assembled and you read and understand this entire User Manual.

INSTALLATION AND LEVELING

Final location for the saw must be level, dry, well lighted, and have enough room to allow movement around the saw with long pieces of wood stock.

Level the saw front to back and side to side. if necessary, but make sure the saw is stable before being placed into service.

DUST PORT ASSEMBLY

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

Fig. 1



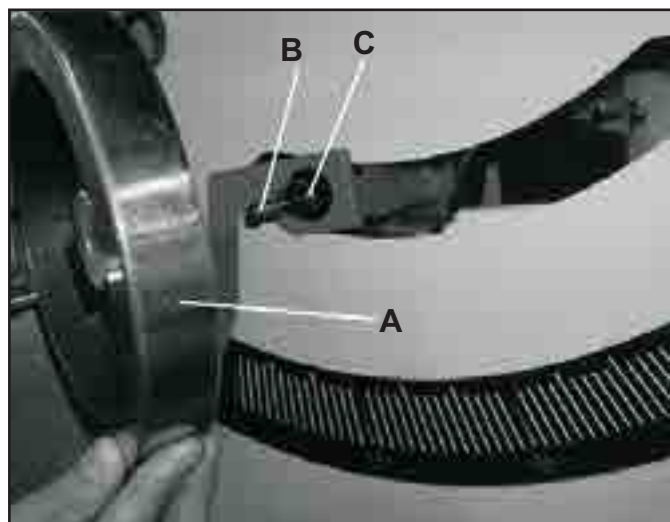
1. Attach the dust port to the opening in the bottom rear of the cabinet with four 1/4-20 x 1/2" **SEE FIG. 1.**

HANDWHEEL ASSEMBLY

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

Fig. 2



1. Place one of the handwheels (A) onto the blade raise/lower shaft (B) located on the front of the cabinet. Align the groove in the back of the handwheel with the pin (C). **SEE FIG 2.**

Fig. 3



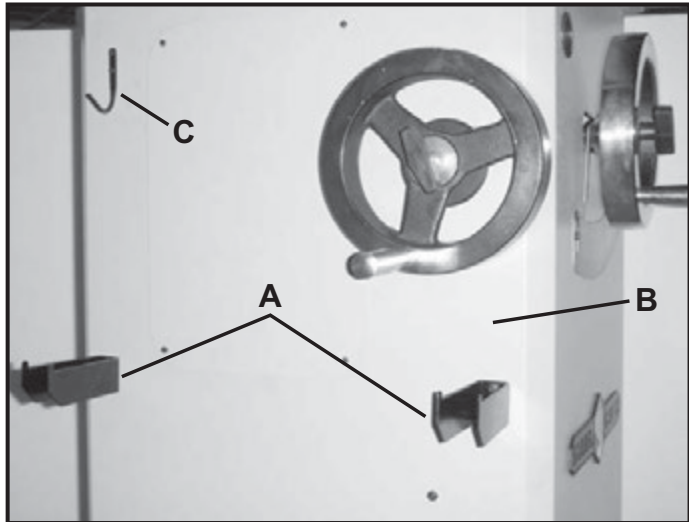
2. Thread the locking knob (D) onto the threaded end of the shaft. **SEE FIG 3.**
3. Repeat the steps above to assemble the remaining handwheel and locking knob onto the bevel shaft located on the side of the cabinet.

WRENCH AND FENCE HOOK ASSEMBLY

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

Fig. 4



1. Assemble both of the fence hooks (A) to the left side of the cabinet (B) using four 1/4-20 x 3/8" (4) round head screws.
2. Assemble wrench hook (C) to the left side of cabinet (B) using (2) 1/4-20 x 3/8 round head screws.

SEE FIG 4.

POLY-V BELT ASSEMBLY

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Loosen 4 of M4 x 8 mm pan head tap screws (D) and remove the cabinet access door. **SEE FIG 5.**
2. Install the belt on the Arbor Pulley and raise motor/ motor mounting bracket to reach the belt distance for assembling the belt on motor pulley.
3. Using a straight edge, check both pulleys to make sure they are parallel. **SEE FIG 6.**
4. If not, loosen 4 of the motor mounting screws (A) for adjustment and tighten the fastening screws.
5. Replace the cabinet access door.

Fig. 5

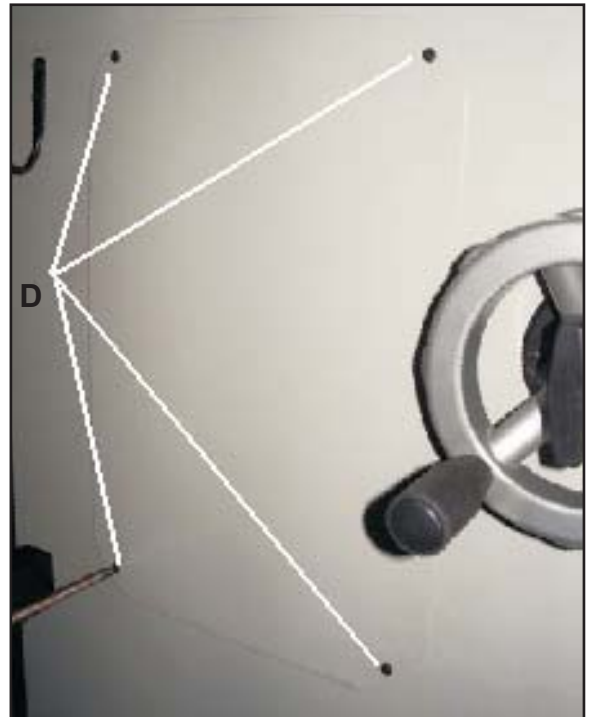
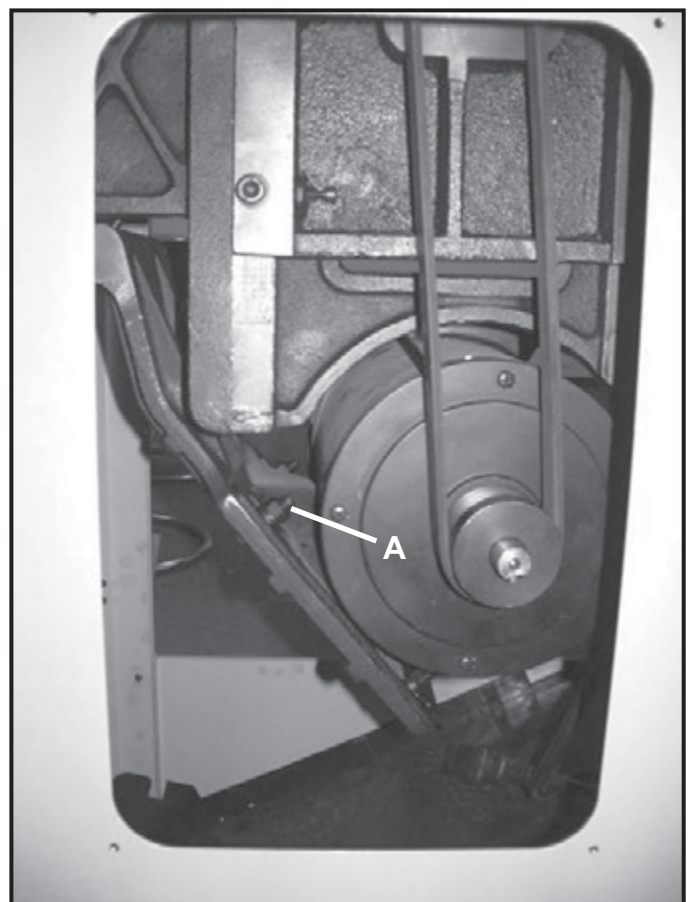


Fig. 6



CAST IRON EXTENSION WING ASSEMBLY - 35903 & 35904 ONLY

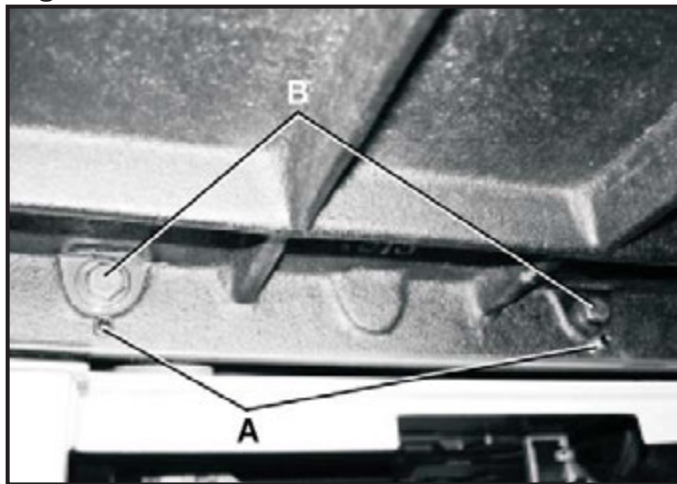
⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

CAUTION: The cast iron extension wing is heavy; two people are required for assemble

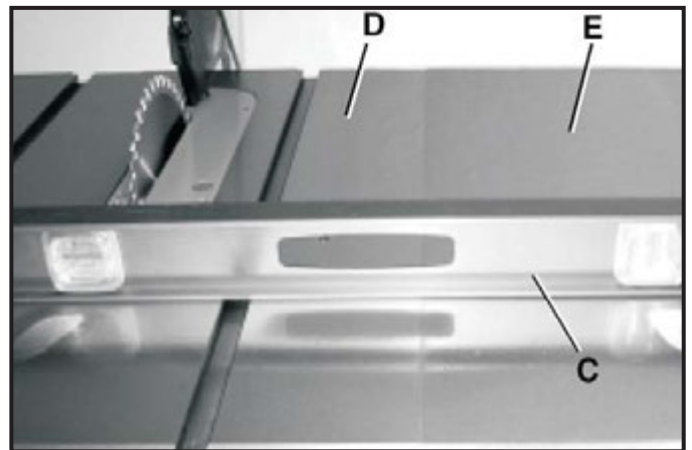
1. Before installing the extension wings on the table saw, thread the four M x 8mm set screws (A) into the threaded holes in the wings. Only screw them in about 1/3 of the way for now. **SEE FIG 7.**

Fig. 7



2. Using the four M8 x 30mm hex head mounting screws, four M8 lock washers, and four M8 flat washers (B), mount one extension wing to the main table.
 3. Lay a straight edge or level (C) across the saw table (D) and extension wing (E). Make sure that the front face of the extension wing is flat to the front face of the saw table. Adjust the extension wing so that its top surface is exactly flat to the saw table and securely tighten hardware. **SEE FIG. 8.**
 4. Adjust the four set screws (A) until the edge of the extension wing that is furthest away from the main table is even with the straight edge.
- NOTE:** It may take several combinations of loosening and/or tightening the set screws and mounting screws to get the extension wing level with the main table.
5. Repeat steps 1 through 4 for the remaining extension wings.

Fig. 8



GRANITE EXTENSION WING

ASSEMBLY - 35911 & 35912 ONLY

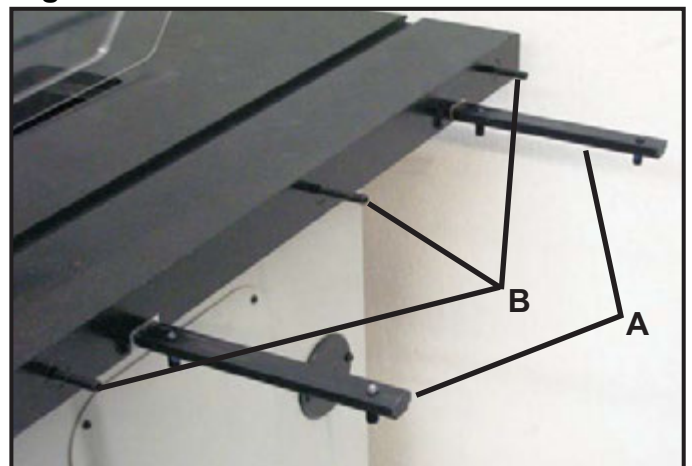
⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

CAUTION: The granite extension wing is heavy; two people are required for assemble

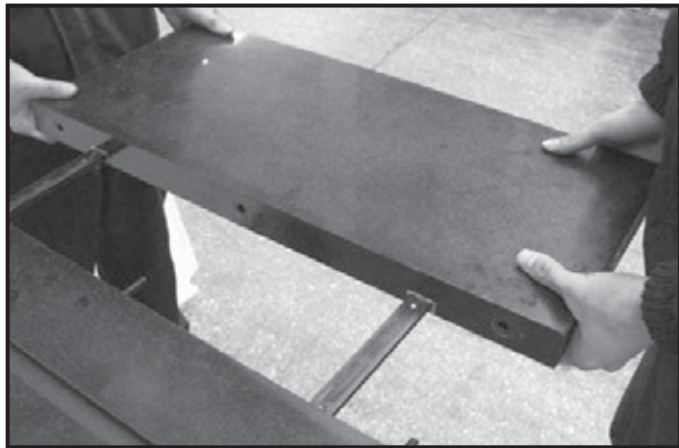
1. Install 2 T supporting bars (A) into the T- slot under main table. **SEE FIG 9.** **Note :** make sure the support bar is installed all the way into the slot, under the main table.
2. Thread the (3)5/16 -18x2 hex soc. Set screws (B) into the edge of the granite table.

Fig. 9



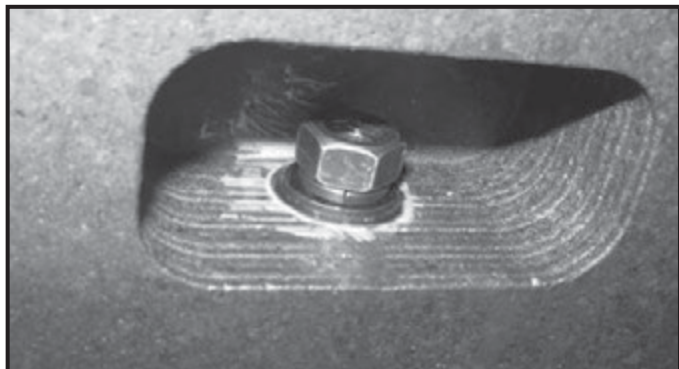
- Find some help for lifting the extension table. Line up both slots with the support bar until the extension table reaches the main table. Make sure the (3) 5/16 - 18 x 2" screws protrude into the extension wing to allow the fastening of the hex nut as shown in **FIG 11**.

Fig. 10



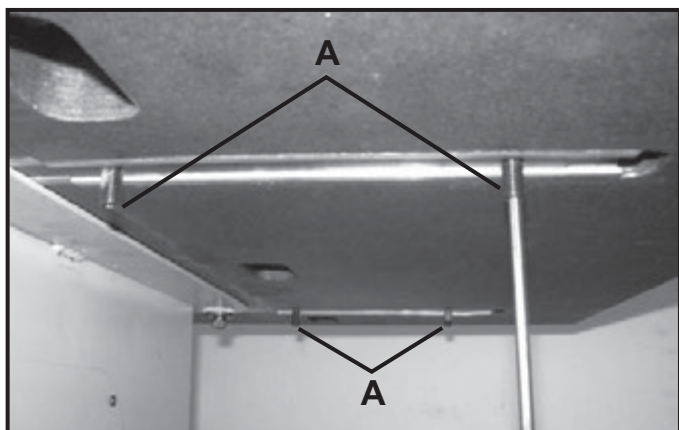
- Install the both M8 Flat & lock washers and secure the 5/16 - 18 hex nut. Do not tighten until the wing is level.

Fig. 11



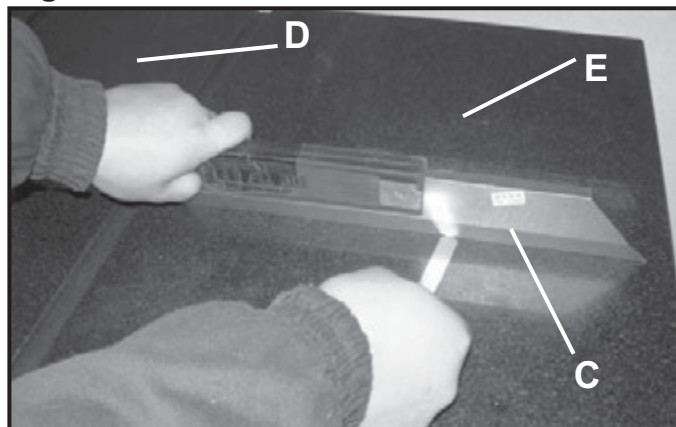
- Install 4 of M8 x20 Hex Soc Set Screws on both of the T- supporting bars. **SEE FIG12**.

Fig. 12



- Use a straight edge across to the main table and extension wing, checking the flatness of both main and extension table. **SEE FIG 13**.
- Use a 4 mm Allen wrench to adjust the setting screw to raise or lower the extension wing to the table.

Fig. 13



- Using a 13mm wrench secure the 5/16 - 18 hex nut in **FIG.11**.
- Check the flatness of the table and extension wing with a straight edge. Make sure both tables are the same level. If not, refer to step 7 and 8 until completely adjusted.

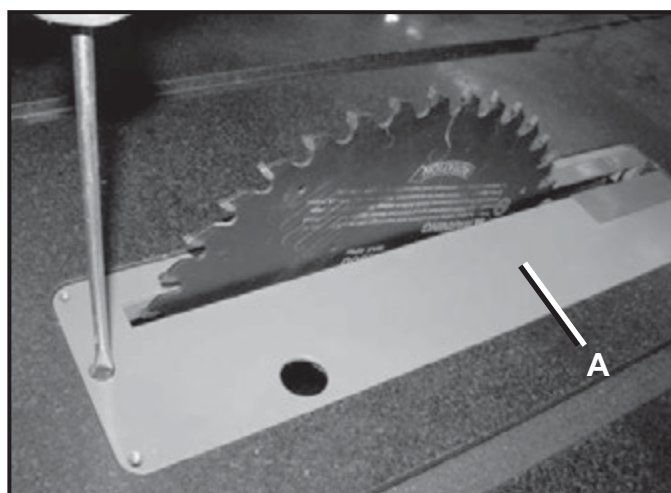
RIVING KNIFE COMPONENTS ASSEMBLY

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

Note: Remove the table insert retaining bolt used to secure the table insert (A) to the saw table. **SEE FIG 14**.

Fig. 14



INSTALLING AND REMOVING THE RIVING KNIFE

1. Line up the riving knife in the proper direction to the mounting bracket(B). **SEE FIG 15.**
2. Push the Riving Knife all the way down into the mounting bracket, make sure the lock pin is locked in the hole of the Riving Knife. (The lock hole is on the button side of the Riving Knife).
3. If it is not locked properly, hold the fasten knob (C) and pull the lock pin off and make sure the lock pin is properly located at the hole of Riving Knife. While raising or lowering the knife, pin will snap in the hole of the knife when located properly. **SEE FIG 15.**
4. Tighten the fasten knob.(C) **SEE FIG.16**

• Remove

1. Loosen the fasten knob (C).
2. Hold the knob and pull the locking pin out.
3. Remove the Riving Knife out of mounting bracket.

NOTE: Make sure blade or arbor is at the highest position before adding or removing the riving knife.

Fig. 15

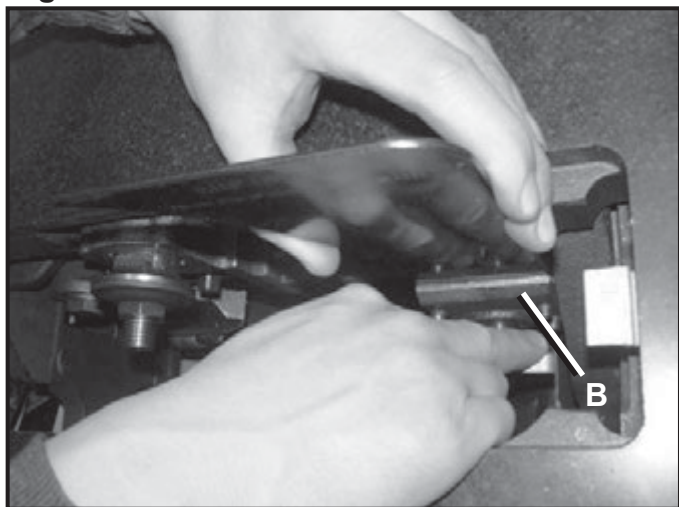
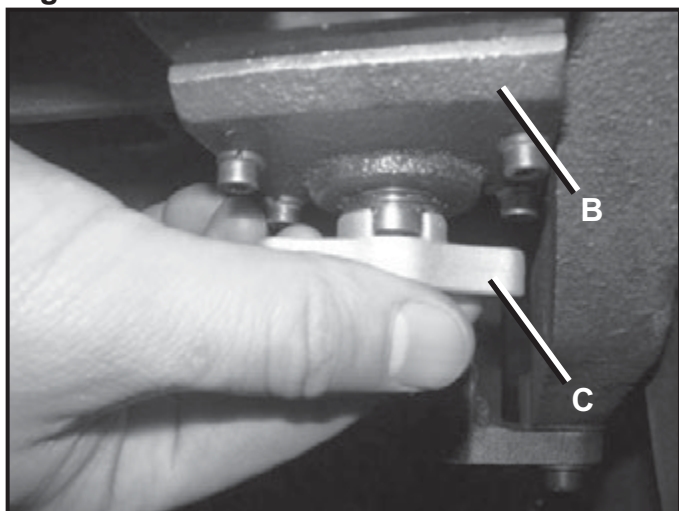


Fig. 16

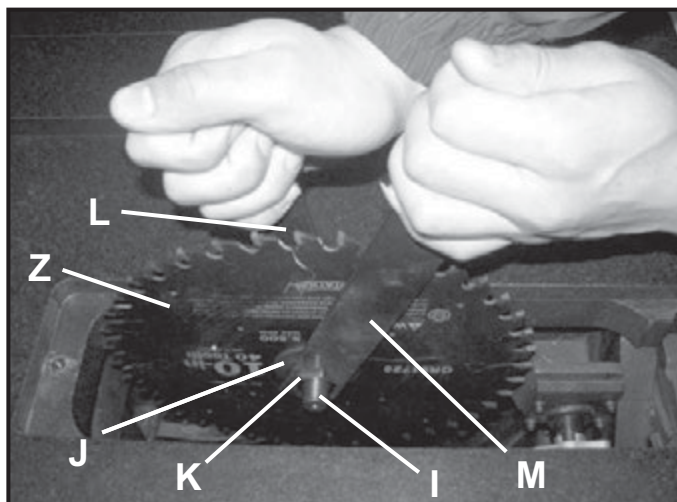


BLADE ASSEMBLY

⚠ WARNING

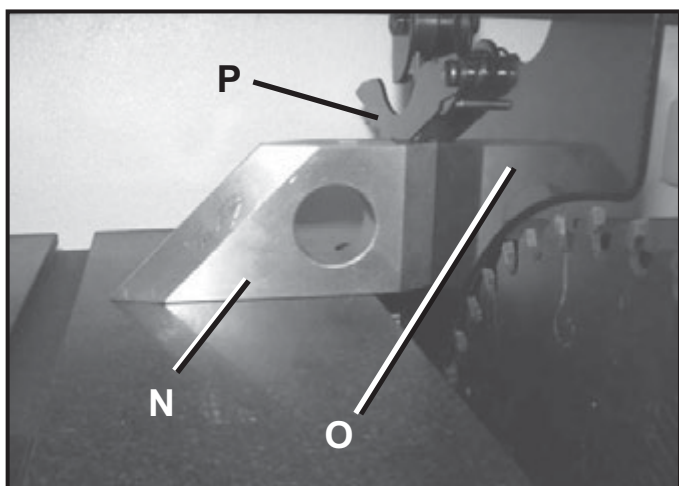
MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

Fig. 17



1. Remove the hex nut (K) and outer flange (J) from the blade arbor (I). Note The arbor has a right hand thread; to loosen the hex nut turn it counterclockwise.
2. Place a 10" saw blade () onto the blade arbor (I), make sure the teeth of the blade are pointing down in the front of the table saw. Place the outer flange (J) and hex nut (K) onto the blade arbor and snug hex nut by hand. Place the open-end blade wrench (L) on the flats of the inner blade flange (not shown) and the box-end blade wrench (M) onto the hex nut and securely tighten. Note The blade arbor has a right hand thread, to tighten the hex nut turn it clockwise. **SEE FIG. 17.**

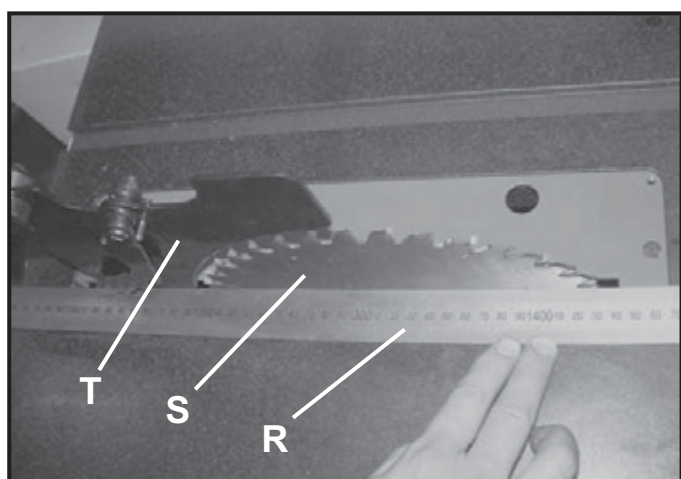
Fig. 18



3. Place a square (N) onto the saw blade and against the splitter assembly (O). Make sure the splitter is square to table. **SEE FIG. 18**

4. Lay a straight edge (R) against the left side of the saw blade (S). Align the splitter and make sure the splitter is aligned to the blade. **Note:** The riving knife alignment is set at the factory. You should not need any further adjustment. If it is necessary please refer to the **Riving knife to blade adjustment** section. **SEE FIG. 19**

Fig. 19



5. Replace the table insert and tighten the table insert retaining bolt removed in step 1.
6. Always check the blade guard and anti-kickback fingers before using the saw to make sure they operate freely and don't bind.

Riving knife to blade adjustment

1. Riving knife to blade clearance: the gap between the riving knife and the saw blade should be an even distance across the entire radius. **SEE FIG. 20.**

Fig. 20



2. The riving knife should also be in line with the saw blade. If adjustment is necessary:

1) Locate the riving knife clamping block assembly. **SEE FIG. 21**

2) Loosen the (2) 5 MM Socket head cap screws slightly enough to move the bracket bringing the riving knife in line with the saw blade making sure the gap between the blade and knife is even and from 1/4 to 5/16 " in distance.

3) Once the riving knife is aligned with the blade, tighten the (2) 5 mm Socket head cap screws up.

Fig. 21



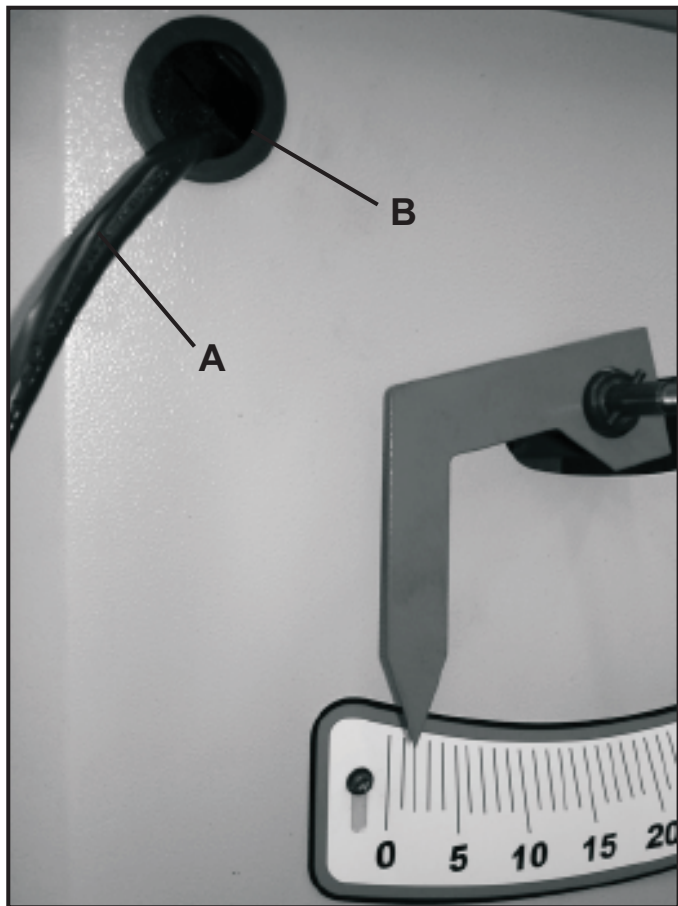
CONNECTING SWITCH CORD TO MOTOR CORD FOR 230V OPERATION SEE PAGE 13

▲WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Place the switch cord (A) through hole (B) in front of cabinet. **SEE FIG 22.**
2. Open motor cover, insert three prong switch cord (C) into three hole outlet (D) of the motor cord. **SEE FIG 23.**

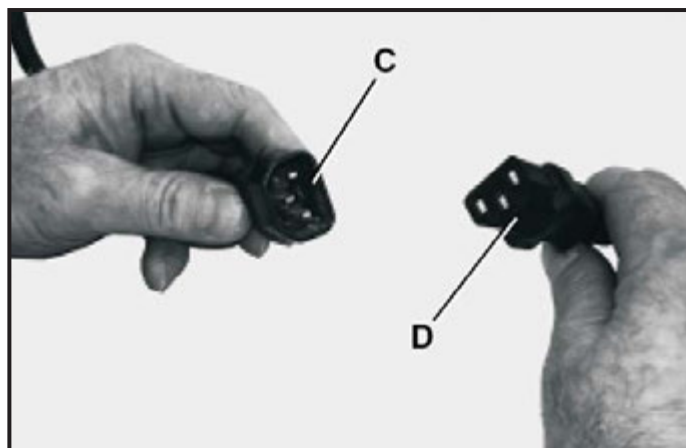
Fig. 22



3. Pull slack in switch cord into the cabinet.

Make sure that the power cord inside of the cabinet is properly routed and clear of the saw blade and any pinch points for all blade height and blade angle settings

Fig. 23



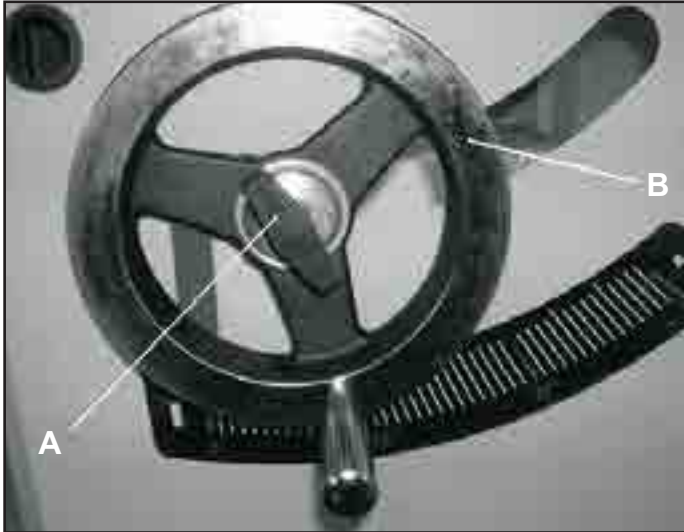
MOUNTING RAILS, FENCE, POWER SWITCH AND TABLE BOARD

The rails, fence assembly, power switch, and table board can now be mounted to the saw. See Owner's Manual for Fence Assembly Instructions which will address the mounting of these parts.

ADJUSTMENTS

RAISING AND LOWERING THE BLADE

Fig. 24



The blade height adjustment handwheel and handwheel lock knob are located on the front of the cabinet above the blade bevel scale. To raise the saw blade, loosen the handwheel lock knob (A) (counterclockwise) and turn the handwheel (B) clockwise. When the saw blade is at its desired height, tighten the handwheel lock knob (clockwise) until it is securely tightened. **SEE FIG 24.**

To lower the saw blade, loosen the handwheel lock knob (counterclockwise) and turn the handwheel counterclockwise. When the saw blade is at its desired height, tighten the handwheel lock knob (clockwise) until it is securely tightened.

TILTING THE BLADE

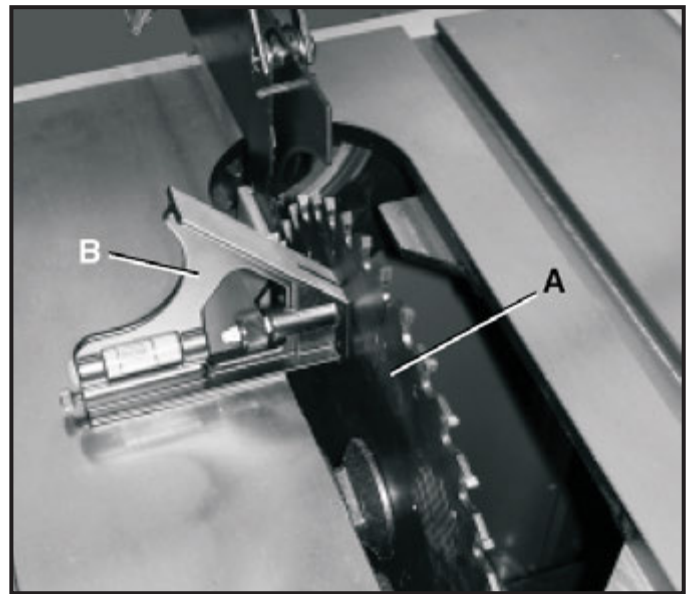
The blade bevel handwheel and handwheel lock knob are located on the left side of the cabinet. To increase the saw blade bevel, loosen the handwheel lock knob (counterclockwise) and turn the handwheel clockwise. When the saw blade is at its desired degree, tighten the handwheel lock knob (clockwise) until it is securely tightened.

To return the saw blade bevel to zero degrees, loosen the handwheel lock knob (counterclockwise) and turn the handwheel counterclockwise. When the saw blade is back to zero degrees it will come into contact with the adjustable positive stop which will cause the blade to stop. Tighten the handwheel lock knob (clockwise) until it is securely tightened.

To tilt the blade bevel to 45-degrees, loosen the hand-wheel lock knob (counterclockwise) and turn the hand-wheel clockwise. When the saw blade is at 45-degrees it will come into contact with the adjustable positive stop which will cause the blade to stop. Tighten the hand-wheel lock knob (clockwise) until it is securely tightened.

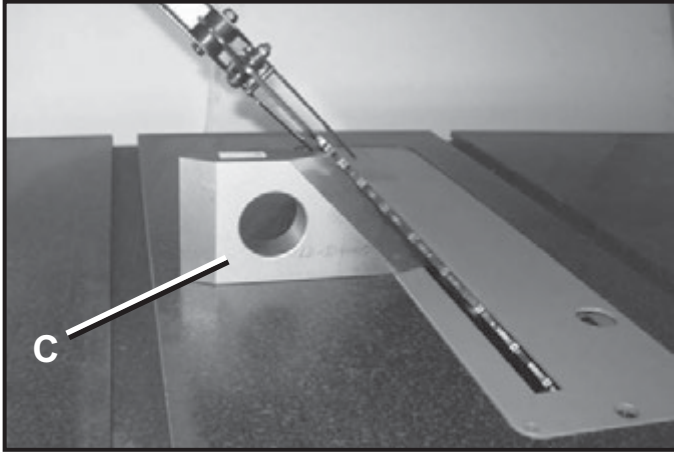
ADJUSTING BLADE BEVEL POSITIVE STOPS

Fig. 25



1. To adjust blade to a 90-degree blade bevel positive stop, raise the saw blade (A) to its highest position. **SEE FIG 25.**
2. Using a combination square (B) check that the blade is 90 degrees to the saw table (zero degrees on bevel scale).
3. If the blade will not tilt to 90 degrees, turn (counterclockwise) the set screw in the left miter slot of the saw table until the blade can be positioned to 90 degrees.
4. Once the blade has been tilted to 90 degrees (confirm this using your square), tighten the bevel handwheel lock knob, located on the side of the cabinet. This will keep the blade from tilting further.
5. Turn the set screw (clockwise) until it comes in contact with the positive stop.
6. Loosen the bevel handwheel lock knob located on the side of the cabinet, and rotate bevel handwheel until the blade is at 45 degrees to the saw table.
7. If the blade will not tilt to 45 degrees, turn (counterclockwise) the set screw located just to the right of the right miter slot, until the blade can be positioned to 45 degrees.

Fig. 26



8. Using a combination square (C), make sure that the blade is at 45 degrees. **SEE FIG 26.**
9. With the blade at 45 degrees, tighten the bevel handwheel lock knob to keep the blade from further tilting.
10. Turn the set screw clockwise until it comes in contact with the positive stop.

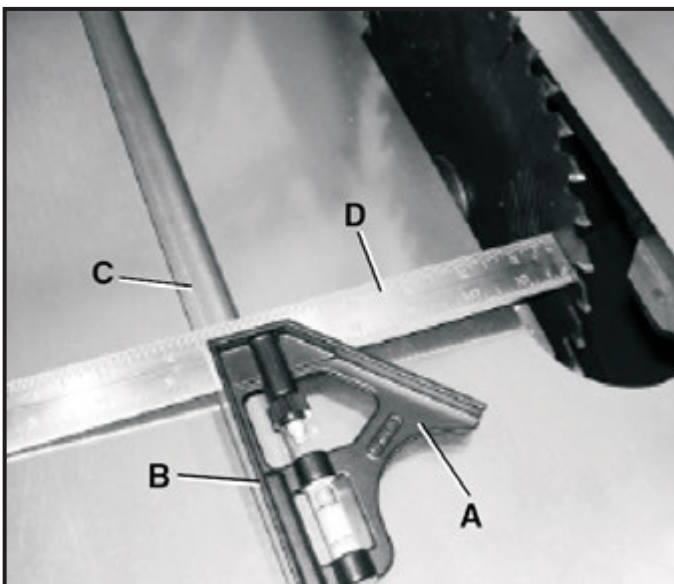
CHECKING BLADE ALIGNMENT

Blade heel is the misalignment of the blade to the miter slots. This means that the blade is not parallel to the miter slots. The blade is set parallel at the factory and should not need any adjustments. You can check this by using a dial indicator (not included) or a combination square (not included). It is recommended to check the alignment before initial operation as follows

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

Fig. 27



1. Raise the saw blade to its highest point.
2. Place a combination square (A) on the saw table with one edge (B) of the square against the left miter slot (C). **SEE FIG 27.**
3. Adjust the square so the rule (D) just touches the saw blade. Make sure the rule is not touching any of the carbide tips of the saw blade.
4. Lock the rule in this position.

Fig. 28



5. Rotate the saw blade back so that you take the measurement from the same spot on the saw blade. **SEE FIG 28.**
7. Take a reading at the rear of the blade (E) with the combination square. If there is a difference of more than .01in between the rule and the blade, then an adjustment will have to be made.
8. If an adjustment is necessary, see "ADJUSTING BLADE ALIGNMENT"

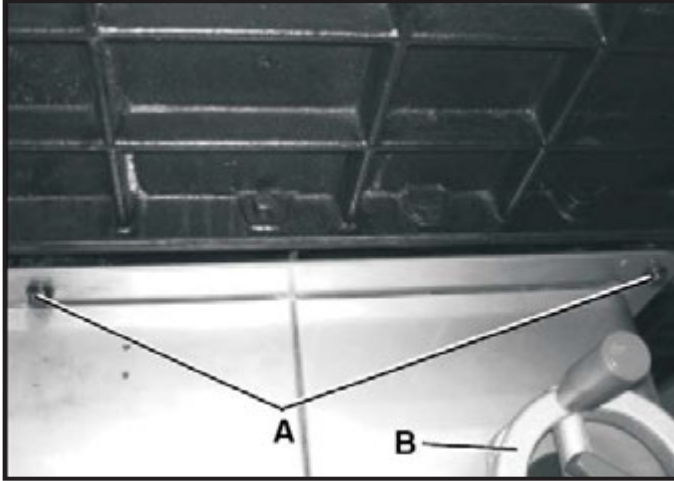
ADJUSTING BLADE ALIGNMENT

NOTICE: Blade alignment is factory set and should not need adjustment. All saw blades have some runout. Therefore, readjusting the blade alignment should only be attempted if it becomes necessary (see "CHECKING BLADE ALIGNMENT").

⚠ WARNING

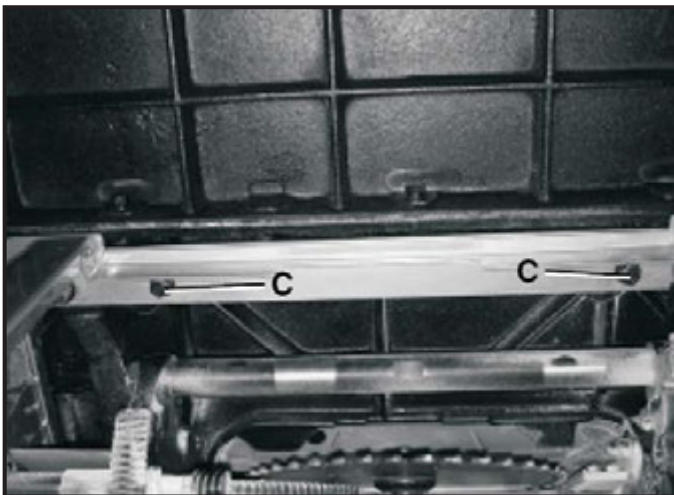
MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

Fig. 29



1. To align the blade parallel to the miter slot, first loosen two hex head screws (A) under the left side of the table saw. This is the same side as the bevel handwheel (B). **SEE FIG 29.**

Fig. 30

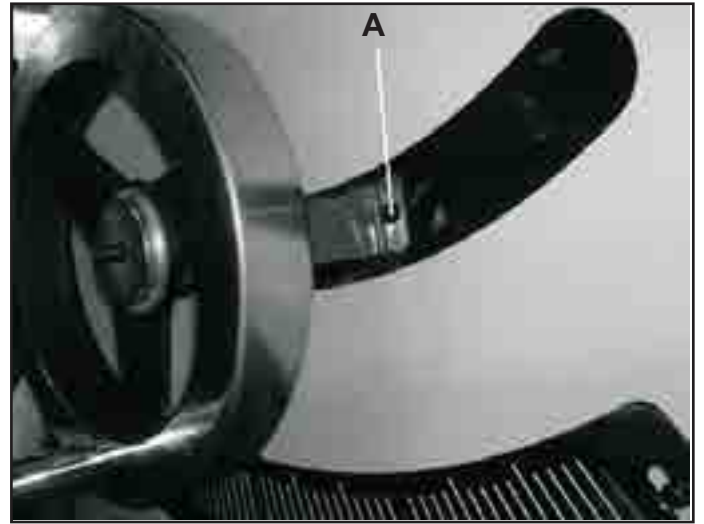


2. Open motor cover located on the right side of the table saw. Loosen two hex head screws (C) located directly above the opening. **SEE FIG 30.**
3. The saw table is now loose and can be repositioned until the blade is parallel to the miter slot. Repeat steps in "CHECKING BLADE ALIGNMENT."
4. When blade is parallel to miter slot, tighten all four hex head screws.
5. Recheck blade alignment.
 - Tilt the blade to 45 degrees, and rotate the saw blade by hand. Make sure the blade does not contact the table insert.

BEVEL ARROW ADJUSTMENT

1. Make certain that the blade is at 90-degrees to the table surface with a combination square.

Fig. 31



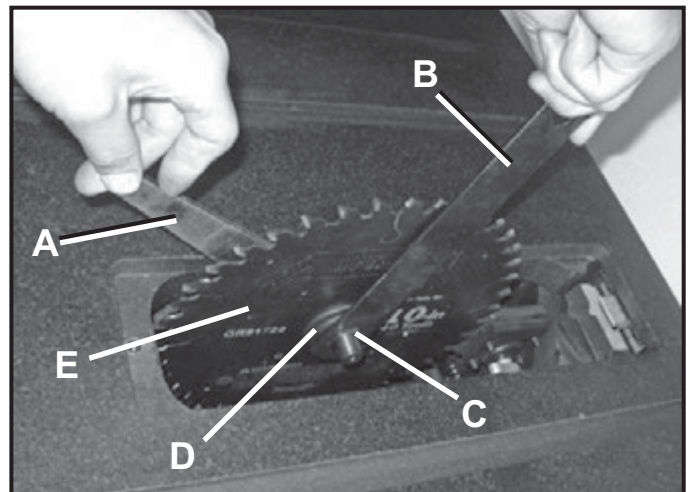
2. Check that the bevel arrow is pointing to the zero degree mark on the bevel scale located on the front of the cabinet. **SEE FIG 31.**
3. To adjust arrow, loosen the Philips head screw (A), and reposition the bevel arrow and tighten screw.

CHANGING THE SAW BLADE

⚠ WARNING

- Turn the power switch "OFF" and unplug the power cord from its power source when changing the saw blade.
- USE ONLY 10-in diameter blades with 5/8-inch arbor holes, rated at or higher than 3800 R.P.M.

Fig. 32



1. Remove the table insert retaining bolt and remove the table insert.

2. Remove blade guard, splitter and riving knife.

NOTE cannot insert the blade guard after the table insert is attached.

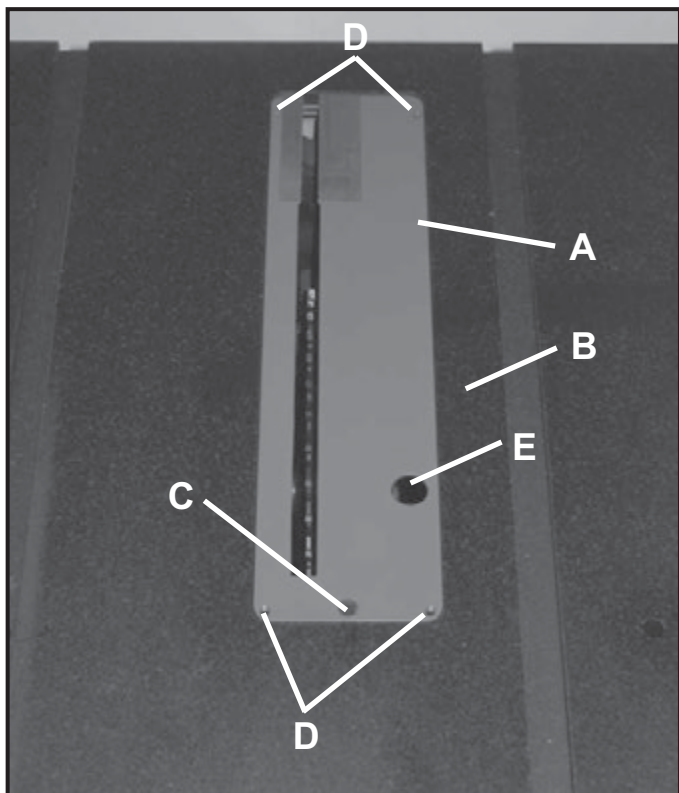
3. Unlock the height adjustment handwheel lock and raise saw blade to maximum height.
4. Two wrenches are supplied with the table saw. Place one open-end wrench (A) on the flat of the saw arbor to keep it from turning. Place the closed-end wrench (B) on the arbor nut (C). Turn the arbor nut wrench toward the back of saw to loosen it. Remove arbor nut, blade flange (D) and saw blade (E). **SEE FIG 32. Page 26**
5. Assemble the new saw blade; make certain the teeth point down at the front of the saw table and assemble the blade flange and arbor nut. Using both blade wrenches as previously mentioned, tighten arbor nut in the opposite direction from which it was loosened.
 - . Replace blade guard, splitter and riving knife.
7. Replace table insert and tighten the table insert retaining bolt.

TABLE INSERT ADJUSTMENT

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

Fig. 33



1. The table insert (A) must always be level with the saw table (B). To adjust the table insert, loosen and remove table insert retaining bolt (C). **SEE FIG 33.**
2. Place a straight edge across the front and rear of the table insert. Check that the insert is perfectly level with the saw table.
3. To level the table insert, turn the one or more adjusting set screws (D) as needed and recheck.
4. Once the insert is level, secure the insert with the retaining bolt removed in step 1.
5. The table insert is equipped with a finger hole (E) for easy removal.

CHANGING MOTOR VOLTAGE

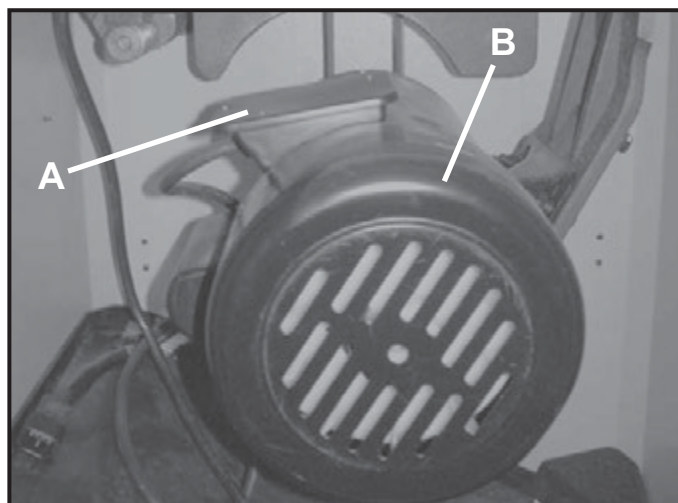
This section only applies to Model 35903 / 35911 with the 1-3/4HP Motor. The 35904 / 35912 Model with the 3HP motor will only run at 240V.

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE. Have a certified electrician make all electrical connections. All local, state and national electric codes must be followed.

The motor supplied with the table saw is a dual voltage 120/240-volt, single phase motor. The motor is wired from the factory for 120-volt operation. To change to 240-volt operation for your table saw, proceed with the following instructions. It is also necessary to replace the 120 volt plug, supplied with the table saw, with a UL/CSA Listed plug (not included) suitable for 240 volts and the rated current of the motor. The table saw with a 240 volt plug should only be connected to an outlet having the same configuration as the plug. No adapter is available or should be used with the 240 volt plug.

Fig. 34



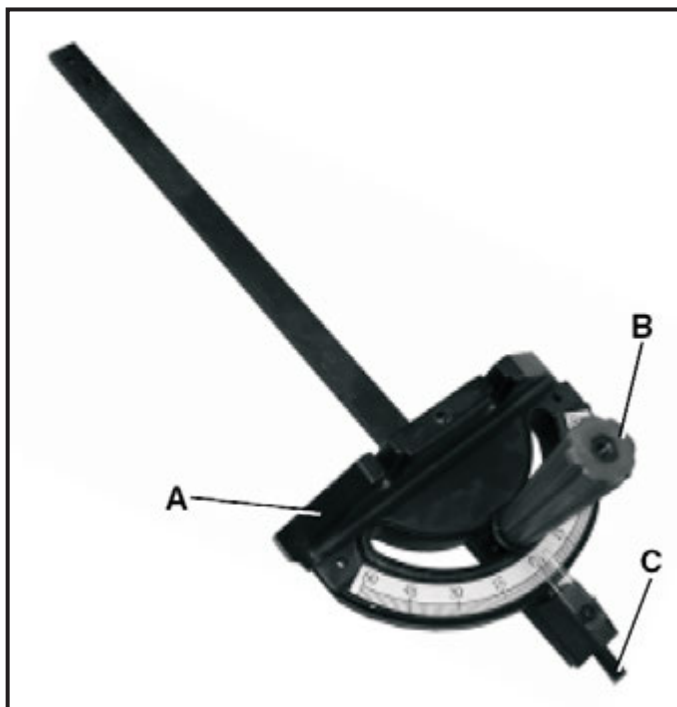
1. Make sure the switch is "OFF" and disconnect power cord from power source.
2. Open motor cover and verify on the motor tag that motor is dual voltage.
3. If motor tag states that it is dual voltage remove junction box cover (A) on motor (B). **SEE FIG 34.**
4. Using wiring diagram on inside of junction box cover, reconnect motor leads for 240-volt or refer to page 13 of wiring diagram.
5. Replace junction box cover and close motor cover.
 - Replace the 120-volt plug with a plug rated for 240-volt operation.
7. The ON/OFF switch is 4-pole and does not need modified.

MITER GAUGE ADJUSTMENT

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

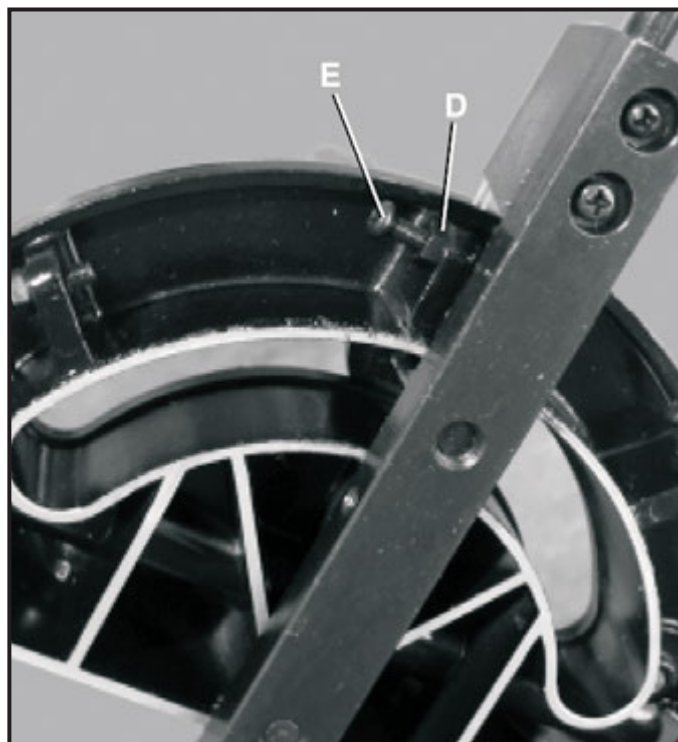
Fig. 35



1. The miter gauge has adjustable positive stops at 0-degree and 45-degrees or it can be manually set at any angle between 0-degrees.
2. To rotate miter gauge body (A), loosen knob (B) and pull out plunger (C) and rotate miter gauge body to desired angle and tighten knob. **SEE FIG 35.**
3. To rotate to the next positive stop, pull plunger (C) out, rotate miter gauge body then push plunger back in and continue rotating miter gauge body until it stops against next positive stop.

ADJUSTING POSITIVE STOPS

Fig. 36



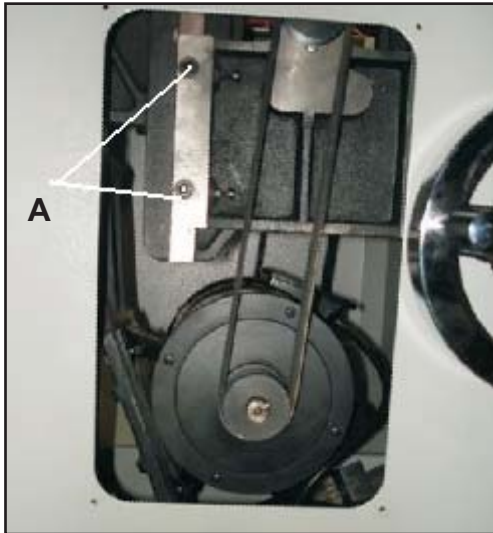
1. To adjust 0-degree positive stops, loosen knob (B), pull out on plunger (C) and turn miter gauge over.
2. Loosen the lock nut (D) 3 or 4 turns. **SEE FIG 36.**
3. Place a square against the guide bar and front of the miter gauge body. Square the miter gauge body to the guide bar and tighten knob.
4. Push in plunger and make adjustments to stop screw (E) so that it touches the plunger and tighten lock nut.
5. Recheck the positive stop angle to the saw blade. Insert the guide bar into the miter slot and slide the miter gauge up to the saw blade.
 - To check, place a square against the saw blade and miter gauge body. If any more adjustments are needed repeat steps above.
7. To set both 45-degree positive stops, repeat steps 1 thru 5 above at the 45-degree settings.

Arbor gib assembly adjustment

A dovetail gib is provided on the arbor height assembly to insure a good sliding fit between the arbor assembly and the trunnion bracket when raising and lowering the blade. This gib has been adjusted at the factory and should not need any further adjustment. If adjustment is necessary, perform the following steps.

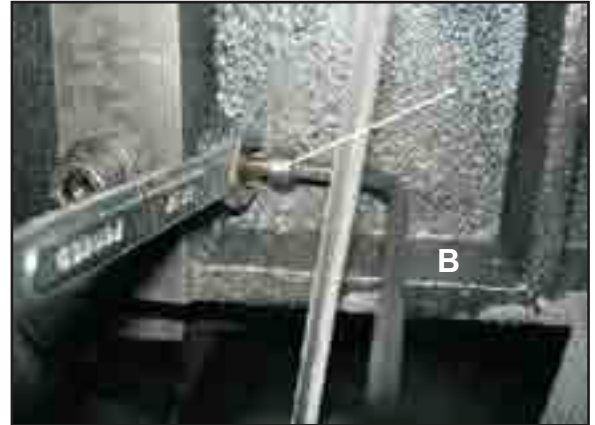
1. First remove the access panel on the left side of the saw cabinet. **SEE FIG. 37**

Fig. 37



2) While holding the 8mm hex head bolt(A) with a wrench, loosen the hex nut only slightly (less than 1/8th of a turn. **SEE FIG. 38**

Fig. 38



3) Tighten the 5mm hex head bolts(B) slightly. Correct adjustment is when a good snug sliding fit is obtained without any side play or movement between the mating dovetail surfaces. The adjustment should not be too tight that it restricts the sliding movement when the blade is raised and lowered or too loose that it affects accuracy.
4) Once proper fit is achieved, retighten the (2) 8mm hex head bolts(A) and M5 hex nut against the casting.

OPERATIONS

⚠ CAUTION

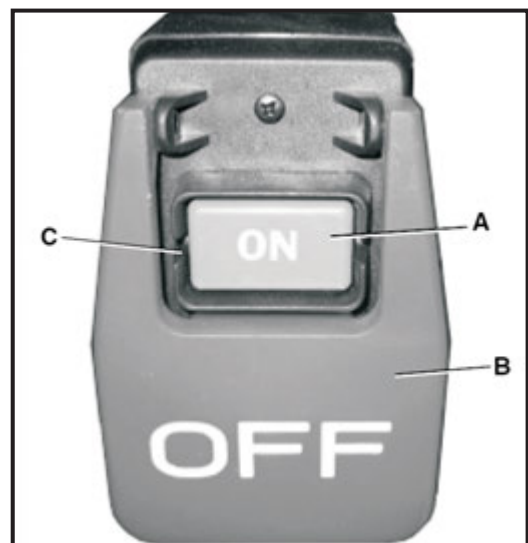
- A separate electrical circuit should be used for your table saw. The circuit should not be less than 14 AWG wire and should be protected with a 15-amp time lag fuse.
- Have a qualified electrician repair or replace damaged or worn cord immediately.
- Before connecting the motor to the power line, make certain the switch is in the "OFF" position and be sure that the electric current is of the same rating as the motor nameplate. All line connections should make good contact.
- Running on low voltage or long, underrated extension cords will damage the motor.

⚠ WARNING

- **DO NOT** expose the table saw to rain or operate the in damp locations.
- **MAKE SURE** all parts have been assembled correctly and are in working order.
- **KEEP** table surface clear of tools and debris before starting table saw.

STARTING AND STOPPING THE SAW

Fig. 39



1. The ON/OFF switch is located under the front rail on the table saw.
2. To turn the table saw on, press the green ON button (A) in one-half inch. **Note:** There is a safety feature on the switch to insure that the switch must be completely pressed before the saw will START. **SEE FIG 39.**
3. To turn the table saw off, press the large red "OFF" paddle (B) or lift the paddle and press directly on the red "OFF" button.
4. When the table saw is not in use, the "ON" button should be locked so that it cannot be started.

5. Using a padlock (not provided), it is possible to lock the switch to prevent unauthorized use. Lift the red "OFF" paddle and place a padlock through the holes (C) in the side of the "ON" button and then lock the padlock. Make sure keys have been removed from padlock and placed where no children can get them. **SEE FIG 39.**
6. To use the table saw, unlock and remove the padlock from the "ON" button.

THERMAL-OVERLOAD PROTECTION

⚠️WARNING

- Turn the power switch "OFF" and unplug the power cord from its power source prior to doing or performing any maintenance.
- Make certain that the "OFF" button has been depressed before pushing the thermal-overload reset button.

The motor supplied with your table saw has a (re-settable) thermal-overload relay located on the side of the switch. If the motor shuts off during an operation (cutting a workpiece too fast or using a dull blade, using the saw beyond its capacity, or low voltage) press the "OFF" button and let the motor cool three to five minutes. Push the reset thermal-overload button on the side of the ON/OFF switch assembly. Make certain that the saw blade and work area has been cleared of debris before restarting saw. The motor can now be turned on again.

⚠️WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

⚠️WARNING



ALWAYS wear eye protection. Any machine can throw debris into the eyes during operations, which could cause severe and permanent eye damage. Everyday eyeglasses are **NOT** safety glasses. **ALWAYS** wear Safety Goggles (that comply with ANSI standard Z87.1) when operating power tools.

⚠️WARNING



ALWAYS wear a NIOSH/OSHA approved dust mask to prevent inhaling dangerous dust or airborne particles.

⚠️WARNING

The following section was designed to give instructions on the basic operations of this table saw. However, it is in no way comprehensive of every table saw application. It is strongly recommended that you read books, trade magazines, or get formal training to maximize the potential of your table saw and to minimize the risks.

⚠️WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

PRE-RUN CHECK

Before you begin to use your Table Saw, you should give it a thorough inspection, making sure you ask yourself the following questions:

1. Is the blade mounted correctly?
2. Is the saw stable?
3. Is it wired properly?
4. Is the electrical system properly configured?
5. Have you checked your workpiece for obvious defects?
6. Is the guard assembly installed and functional?
7. Have you checked the saw blade clearance when it is adjusted to varying angles and depths?
8. Have you read all the warnings and directions regarding the operation of this machine?

TEST RUN

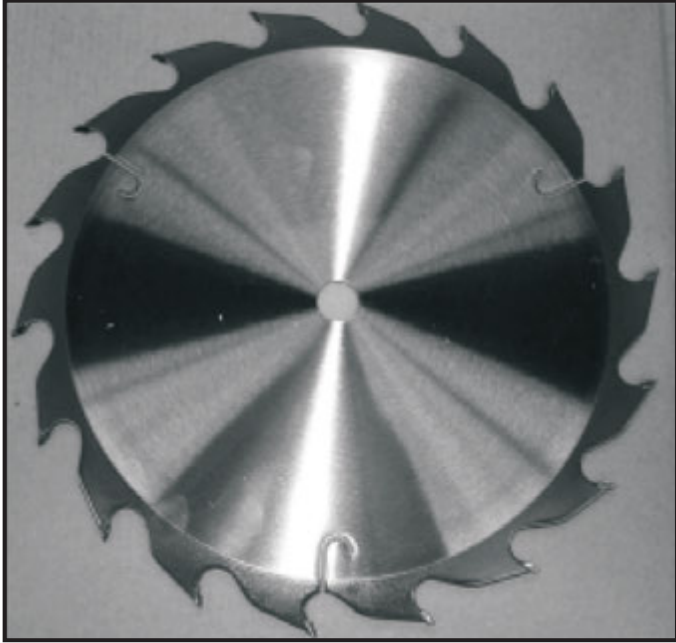
1. Face the table saw and stand to the left of the blade path.
2. With one finger on the ON button and one finger on the OFF button, turn the saw on. Be ready to turn the saw off in case of a mishap.
3. Watch and listen to the saw. Note whether there are any unusual sounds or excessive vibrations.
4. If anything appears abnormal, immediately turn off the saw, unplug it, and fix the problems. If a problem exists that is beyond the scope of this manual, contact your dealer.
5. If the saw is operating properly, turn it off and prepare to make a cut according to the instructions outlined in this section.

BLADE SELECTION

Choosing the correct blade for the job is essential for the safe and efficient use of your table saw. Ignoring this important step could result in damage to the saw and serious injury to the operator. Below are the most common saw blades and their uses.

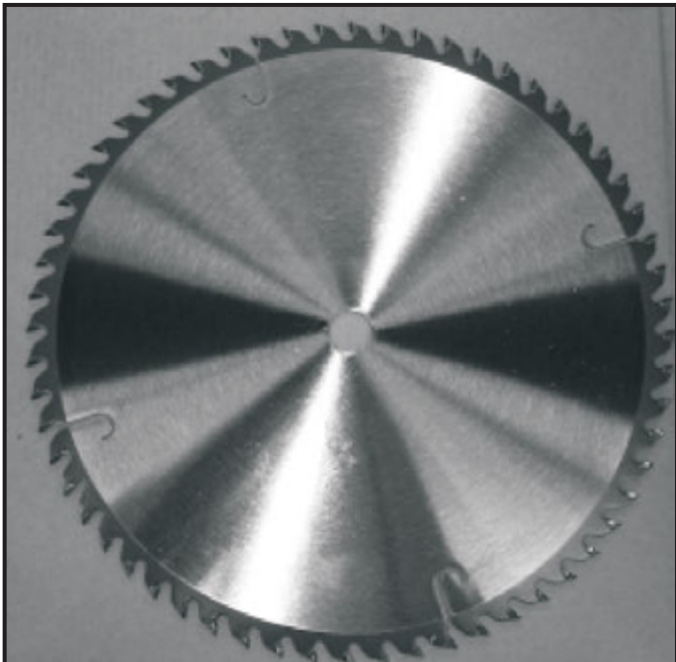
1. **Rip Blade:** Used for cutting with the grain. Typically, 10" rip blades have between 18-40 teeth and large gullets to allow for large chip removal. **SEE FIG 40.**

Fig. 40



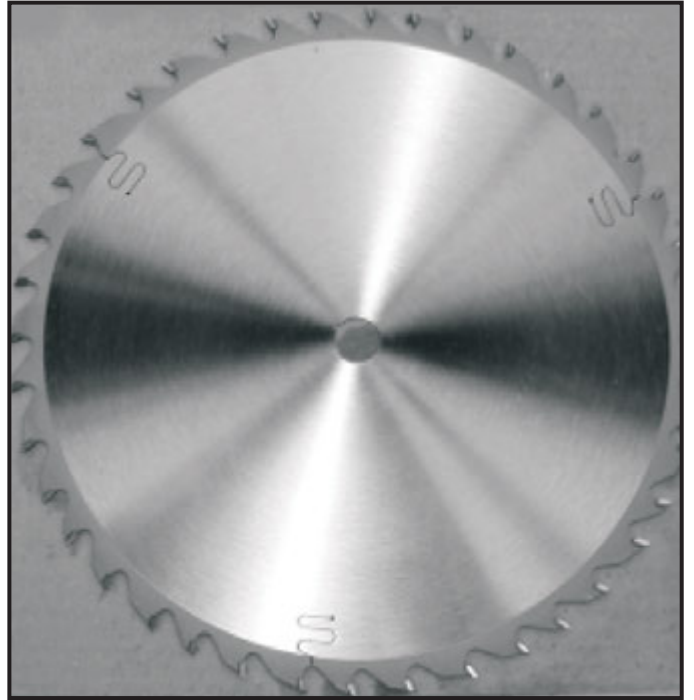
2. **Cross-cut Blade:** Used for cutting across the grain. 10" cross-cut blades have between 60-80 teeth and a shallow gullet. **SEE FIG 41.**

Fig. 41



3. **Combination Blade:** Used for cutting with and across the grain. A compromise between a rip blade and a cross-cut blade, a 10" combination blade will typically have between 40-50 teeth. **SEE FIG 42.**

Fig. 42



4. **Thin-kerf blade:** Most types of saw blades are available in a thin-kerf style. Designed primarily to minimize stock waste, thin-kerf blades are used in conjunction with a blade stabilizer to reduce blade wobble. **Note:** Many blade guards/splitters are thicker than many thin-kerf blades. Make sure that the stock will pass by the guard/splitter before beginning a cut.
5. **Dado Blades:** There are two types of dado blades: stack and wobble. Stack dados involve more setup time, but they provide a superior finish cut when compared to a wobble dado. Dado blades require use of accessory dado table insert.
6. **Moulding Heads:** A moulding head is a cutterhead that attaches to the arbor and holds individual moulding knives. They are very dangerous and require training beyond the scope of this manual.

This section on blade selection is by no means comprehensive. Always follow the saw blade manufacturer's recommendations to assure safe and efficient operation of your table saw.

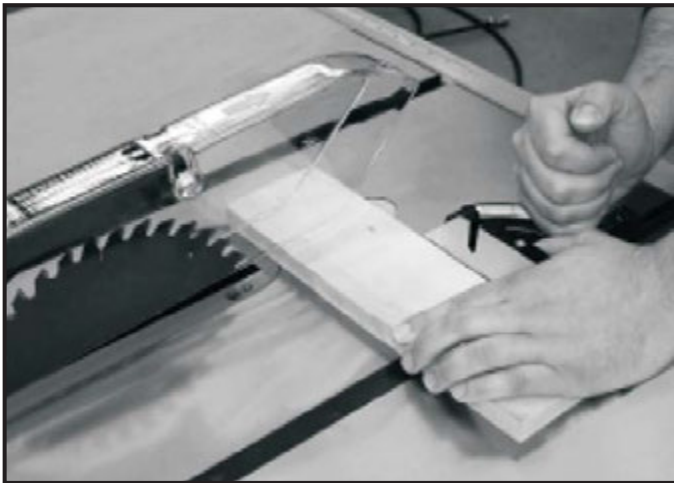
CROSSCUTTING

Crosscutting means cutting across the grain of the wood. In wood products without grain (i.e. MDF, particleboard), crosscutting simply means cutting across the width of the stock.

Crosscuts are made with the miter gauge. There are two miter gauge slots in the table top. Use the one that works best for the piece being crosscut. **To make a crosscut using the miter gauge:**

1. Inspect the board for soundness. You do not necessarily need a square edge to crosscut with accuracy.
2. Inspect the miter gauge. Is it properly set and tight?
3. Move the rip fence completely out of the way.
4. Turn on the saw and allow it to come to full speed.
5. Hold the workpiece firmly against the face of the miter gauge and ease it into the blade and through the workpiece. **SEE FIG 43.**

Fig. 43



6. Turn off the saw and allow the blade to come to a full stop.

⚠ WARNING

Small cutoff pieces can contact the moving blade and be thrown back toward the operator. Always use the least amount of clearance between the table insert and the blade to reduce the risk of injury from these pieces. Never attempt to grab these pieces while the table saw is turned on. Your hand may come into contact with the blade. Turn the table saw off and safely remove these pieces **AFTER** the blade has come to a complete stop.

RIPPING

Ripping means to cut with the grain of the wood. In other materials such as MDF or plywood, ripping simply means to cut lengthwise. **To rip a board:**

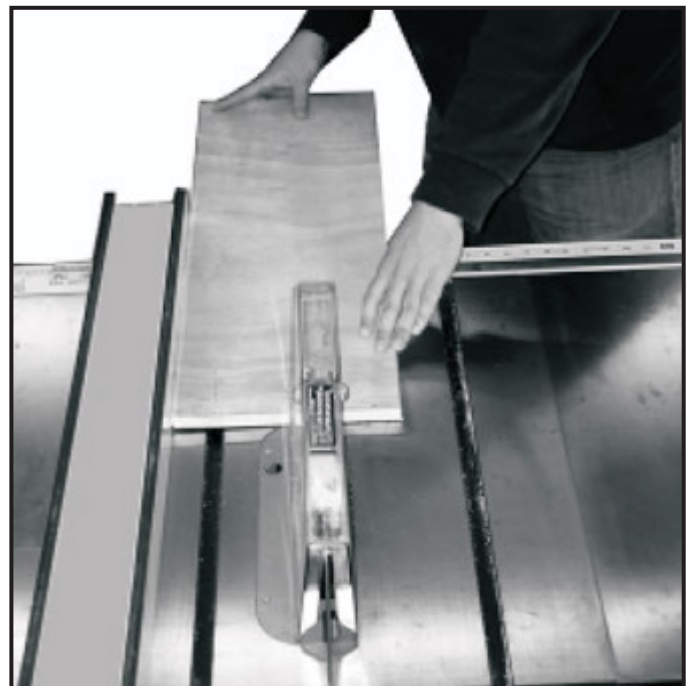
1. Inspect the board for soundness. You will need a straight edge to rip with accuracy. Your workpiece may need to be jointed flat before attempting to cut on the table saw.

⚠ WARNING

Never attempt to rip a board that does not have one perfectly straight edge and one flat side on it. Always run the straight edge of the board against the rip fence. Failure to do this could result in kickback and serious personal injury.

2. Set the rip fence to the desired distance from the blade. **IF YOU ARE MAKING NARROW CUTS, USE A PUSH-STICK.** Serious injury can occur if you put your hands close to the blade. A push-stick pattern has been included at the end of this manual. Use it to hold the workpiece against the table and fence and push the workpiece fully past the blade. When a small width is to be ripped and a push-stick cannot be safely put between the blade and rip fence, rip a larger piece to obtain the desired piece.
3. Turn on the saw and allow it to reach full speed. Place the straight edge of the board against the rip fence and the flat side on tabletop. Feed the workpiece slowly and evenly into the blade. When ripping, always stand off to the side of the workpiece and push it through, making sure to keep your fingers out of line with the blade. **SEE FIG 44.**

Fig. 44



Do not stand directly behind the workpiece when ripping. **SEE FIG 45.**

Fig. 45



⚠ WARNING

Stand out of the line of potential kickback. Hold the workpiece firmly against the fence and table. Do not allow your fingers to get close to the blade! Do not reach over the blade to off-load the workpiece.

DADO OPERATIONS

In addition to its ability to rip and crosscut lumber, the table saw is also an invaluable tool for creating a variety of dados. These non-through cuts can be created with specially-designed stacking or wobbling dado blades.

⚠ WARNING

Never allow hands or arms to be above or behind the saw blade. Should kickback occur, the hands and arms can be pulled into the saw blade. Serious injury will result.

⚠ WARNING

Never perform a through cut operation with a dado blade. A dado blade is designed to make non-through cuts only. Failure to follow these directions could result in serious injury.

⚠ WARNING

Dado operations present very real hazards requiring proper procedures to avoid serious injury. The chance of kickback is always greater when dado blades are used so extra precautions must be used. Any movement of the stock away from the fence can cause kickback. Be certain that stock is flat and straight. Failure to follow these warnings could result in serious personal injury.

⚠ WARNING

Always use push sticks, feather boards, push paddles and other safety accessories whenever possible to increase safety and control

Proper dado operations will differ depending on the blade system you choose. Consult the instructions included with your dado blades for directions regarding attachment and adjustment. To use a dado blade:

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

1. Remove the table insert, splitter guard, and regular saw blade.
2. Attach and adjust the dado blade system as recommended in the dado blade's instructions.'
3. Install the dado table insert.(Not included)
4. Raise the blade system up to the desired depth of the dado. Make sure the dado blade will not cut through the workpiece.
5. Reconnect the saw to the power source.
6. If dadoing along the length of your workpiece, adjust the distance between the fence and the inside edge of the blade to suit your needs. When cutting across the wood grain, use the miter gauge as a guide while dadoing. **Remember:** Never use the fence as a stop in conjunction with your miter gauge.
7. Using a scrap piece as a test piece, switch on the saw and take a pass over the dado blade.
8. If the cut is satisfactory, repeat with your finish stock.
9. Avoid taking too deep a cut in a single pass. Make incremental cuts to avoid kickback.

MAINTENANCE

BACKLASH ADJUSTMENTS FOR BLADE RAISING/LOWERING AND BLADE TILTING ASSEMBLIES

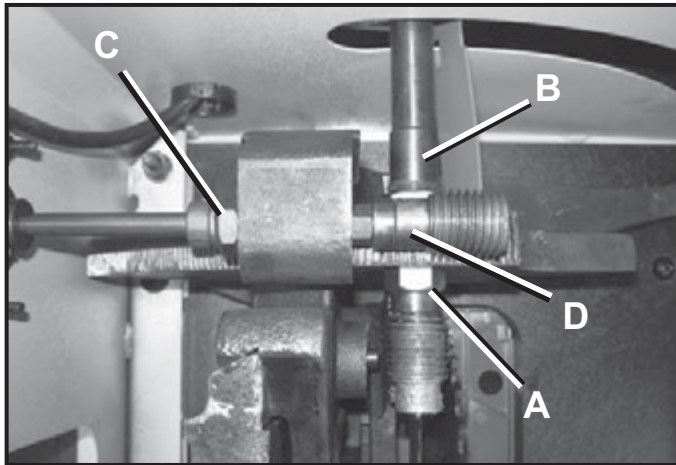
If any play is detected in the blade raising/lowering or blade tilting assemblies, the following adjustments should be made.

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

NOTE: In the illustration below, the table saw has been turned upside down and the blade removed for clarity.

Fig. 46



1. To adjust the blade raising/lowering assembly, loosen lock-nut (A) and turn the eccentric sleeve (B) until all play is removed in the assembly, then tighten lock-nut. **SEE FIG 46.**
2. To adjust the blade tilting assembly, loosen lock-nut (C) and turn the eccentric (D) until all play is removed in the assembly, then tighten the lock-nut.

PROTECTING CAST IRON TABLE FROM RUST

⚠ WARNING

MAKE CERTAIN THAT THE SAW IS DISCONNECTED FROM THE POWER SOURCE.

The environment and frequency of human contact can have a very detrimental impact on unpainted cast iron surfaces. Moisture, humidity and oils (from human hands!) can cause the unpainted cast iron surfaces to mar or rust, so it is important to conduct routine maintenance to keep your table saw looking new. Cleaning and waxing the cast iron surfaces on a regular maintenance schedule is recommended as follows

To clean and maintain the unpainted cast iron surfaces:

- Apply a heavy coat of WD-40 onto the unpainted cast iron surface.
- Use a fine steel wood pad to buff the unpainted cast iron. Make sure to buff in a front-to-rear direction only. A side-to-side buffing motion will show in the finely ground cast iron as a flaw, defector scratches.
- Reapply WD-40 and buff the unpainted cast iron surfaces until the stains or rust are removed. Make sure you use the same front-to-rear buffing direction to avoid scratching or marring the cast iron surface.
- After all stains and/or rust have been removed, clean all oil and dirt from the table saw using a soft cloth or rag.
- Lastly, you need to apply a good automotive paste wax to all unpainted cast iron surfaces. This will help to protect the saw from rusting.

This table saw requires very little maintenance other than minor lubrication and cleaning. The following sections detail what will need to be done in order to assure continued operation of your saw.

LUBRICATION

The table saw has sealed lubricated bearings in the motor housing that do not require any additional lubrication from the operator.

Use a wire brush to clean off the worm gears and trunnions and apply a white lithium grease to keep them lubricated.

CLEANING

Keep the inside of the cabinet clear of saw dust and wood chips. With the table saw unplugged, vacuum out the inside of the cabinet or blow out the inside with an air hose. Be sure to use air pressure no higher than 50 P.S.I. as high pressure air may damage insulation.

⚠ WARNING



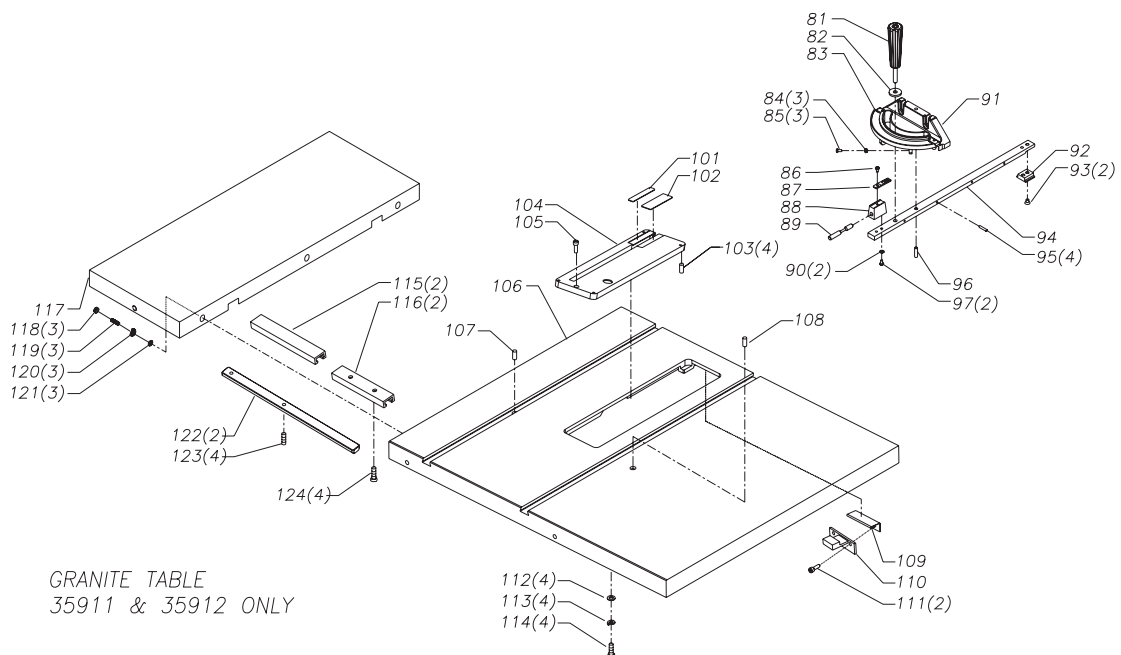
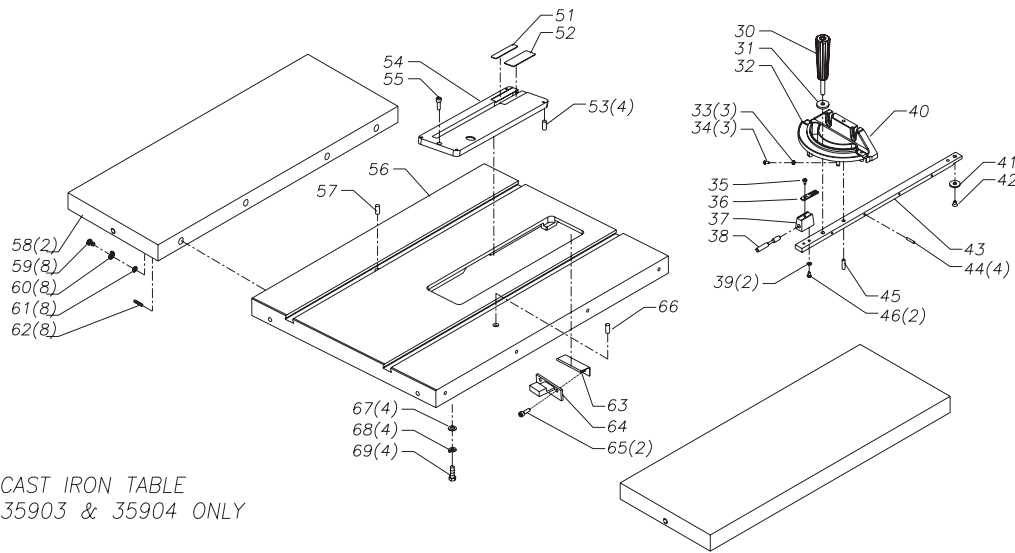
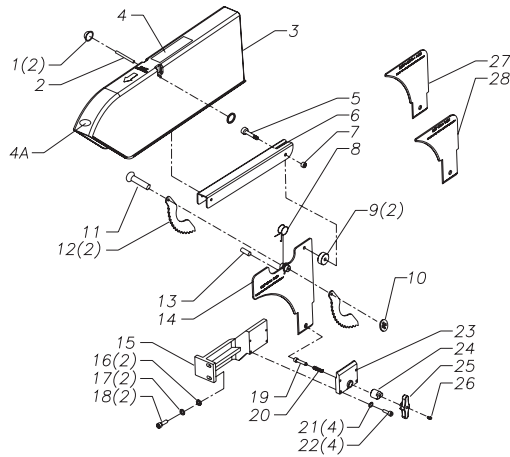
Be sure to wear protective eyewear and dust mask when cleaning out the cabinet of the saw.

TROUBLESHOOTING GUIDE

This section covers the most common processing problems encountered in sawing and what to do about them. Do not make any adjustments until the table saw is unplugged and moving parts have come to a complete stop.

PROBLEM	LIKEL CAUSE(S)	SOLUTION
Saw stops or will not start.	<ol style="list-style-type: none"> 1. Overload tripped. 2. Saw unplugged from wall or motor. 3. Fuse blown or circuit breaker tripped. 4. Cord damaged. 	<ol style="list-style-type: none"> 1. Allow motor to cool and reset by pushing reset switch. 2. Check all plug connections. 3. Replace fuse or reset circuit breaker. 4. Replace cord.
Does not make accurate 45° or 90° cuts.	<ol style="list-style-type: none"> 1. Stops not adjusted correctly. 2. Angle pointer not set accurately. 3. Miter gauge out of adjustment. 	<ol style="list-style-type: none"> 1. Check blade with square and adjust stops. 2. Check blade with square and adjust pointer. 3. Adjust miter gauge.
Material binds blade when ripping.	<ol style="list-style-type: none"> 1. Fence not aligned with blade. 2. Warped wood. 3. Excessive feed rate. 4. Splitter not aligned with blade. 	<ol style="list-style-type: none"> 1. Check and adjust fence. 2. Select another piece of wood. 3. Reduce feed rate. 4. Align splitter with blade.
Saw makes unsatisfactory cut.	<ol style="list-style-type: none"> 1. Dull blade. 2. Blade mounted backwards. 3. Gum or pitch on blade. 4. Incorrect blade for cut. 5. Gum or pitch on table. 	<ol style="list-style-type: none"> 1. Sharpen or replace blade. 2. Turn blade around. 3. Remove blade and clean. 4. Change blade to correct type. 5. Clean table.
Blade does not come up to speed.	<ol style="list-style-type: none"> 1. Extension cord too light or too long. 2. Low shop voltage. 3. Motor not wired for correct voltage. 	<ol style="list-style-type: none"> 1. Replace with adequate size cord. 2. Contact your local electric company. 3. Refer to motor junction box.
Saw vibrates excessively.	<ol style="list-style-type: none"> 1. Stand on uneven floor. 2. Damaged saw blade. 3. Bad poly -belts. 4. Bent pulley. 5. Improper motor mounting. 6. Loose hardware. 7. Loose set screw in pulley. 	<ol style="list-style-type: none"> 1. Reposition on flat, level surface. 2. Replace saw blade. 3. Replace poly -belts. 4. Replace pulley. 5. Check and adjust motor. 6. Tighten hardware. 7. Tighten set screw.
Rip fence binds on guide tube.	<ol style="list-style-type: none"> 1. Guide rails or extension wing not properly installed. 2. Guide of rip fence not adjusted properly. 	<ol style="list-style-type: none"> 1. Reassemble guide rails, refer to fence manual. 2. Adjust guides, refer to fence manual.
Material kicked back from blade.	<ol style="list-style-type: none"> 1. Rip fence out of alignment. 2. Splitter not aligned with blade. 3. Feeding stock without rip fence. 4. Splitter not in place. 5. Dull blade. 6. Letting go of material before it is past blade. 7. Anti-kickback fingers dull. 	<ol style="list-style-type: none"> 1. Align rip fence with miter slot. 2. Align splitter with blade. 3. Install and use rip fence. 4. Install and use splitter (with guard). 5. Replace blade. 6. Push material all the way past blade before releasing work. 7. Replace or sharpen anti-kickback fingers.
Blade does not raise or tilt freely.	<ol style="list-style-type: none"> 1. Sawdust and debris in raising and tilting 	<ol style="list-style-type: none"> 1. Clean and grease.

PARTS LIST



KEY NO.	PART NO.	DESCRIPTION	QTY
*	SC10136	BLADE GUARD ASSY	1
1	OR91785	PUSH NUT	2
2	OR91781	BLADE GUARD PIN	1
3	SC10137	"SEE THRU"BLADE GUARD	1
4	OR91574	WARNING LABEL	1
4A	OR91575	WARNING LABEL PICTORAL	1
5	SC80105	M6 x 32mm HEX HD SCREW	1
6	SC10138	BALDE GUARD SUPPORT ARM	1
7	OR90235	M6 LOCK NUT	1
8	OR91745	SPRING	1
9	SC10139	BLADE GUARD BUSHING	2
10	OR94428	M5 LOCK NUT	1
11	SC80103	M5 x 30mm HEX HD SCREW	1
12	SC10140	ANTI KICKBACK FINGER	2
13	OR91795	4 x 22mm SPRING PIN	1
14	SC10141	3mm BLADE SPLITTER ASSY	1
*	SC10142	SPLITTER MOUNT SUPPORT ASSY	1
15	SC10143	SPLITTER MOUNT SUPPORT	1
16	OR90509	M6 LOCK WASHER	2
17	OR90529	M6 FLAT WASHER	2
18	OR93374	M6 x 20mm HEX SOC HD SCREW	2
19	SC10144	SPECIAL PIN	1
20	SC10145	SPRING	1
21	OR90077	M4 LOCK WASHER	4
22	SC80204	M4 x 20mm HEX SOC HD SCREW	4
23	SC10146	SUPPORT PLATE	1
24	SC10147	SCREW	1
25	SC10148	KNOB	1
26	SC10149	WASHER	1
27	SC10150	RIVING KNIFE 2.5mm THICK	1
28	SC10151	RIVING KNIFE 3mm THICK	1
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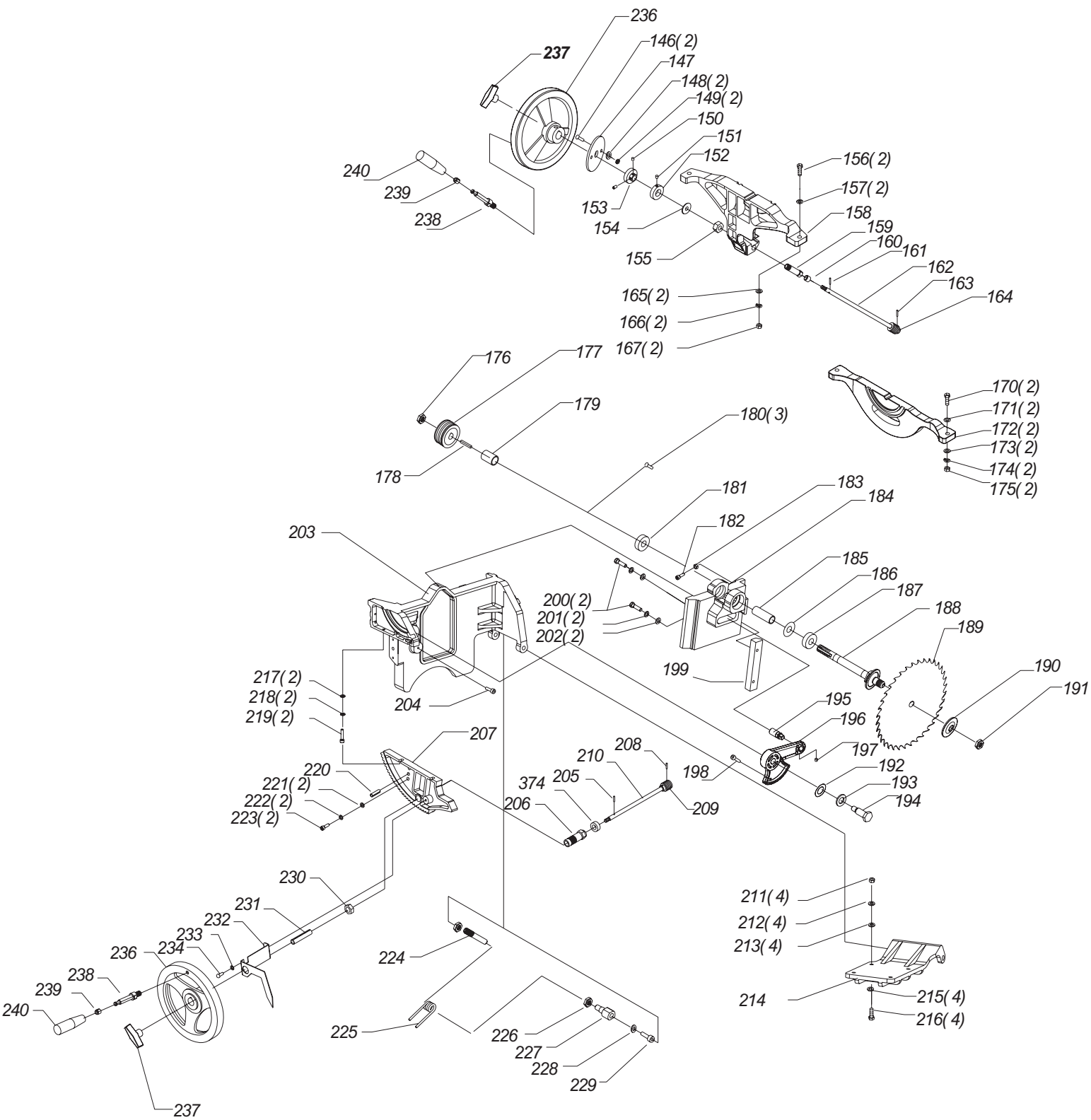
CAST IRON TABLE FOR 35903 / 35904 ONLY

29	SC10152	MITER GAUGE ASSY (#30~#46)	1
30	SC10153	MITER GAGE KNOB	1
31	OR91084	SPECIAL WASHER	1
32	OR91573	MITER SCALE	1
33	OR90078	M4 HEX NUT	3
34	OR94404	M4 x 20mm PAN HD SCREW	3
35	OR91775	M4 x 15mm PAN HD SCREW	1
36	OR91082	CURSOR	1
37	OR91081	PLUNGER BLOCK	1
38	OR91080	PLUNGER	1
39	OR90143	M4 FLAT WASHER	2
40	OR91076	MITER GAGE BODY	1
41	OR91077	SPECIAL WASHER	1
42	OR91074	SPECIAL SCREW	1
43	OR91079	GUIDE BAR	1
44	OR91763	M4 x 16mm HEX SOC SET SCREW	4
45	OR91783	1/4" x 3/4" DOWEL PIN	1
46	OR91774	M4 x 10mm PAN HD SCREW	2
51	SC10154	TABLE INSERT LEFT PAD	1
52	SC10155	TABLE INSERT RIGHT PAD	1
53	OR91789	1/4-28 x 3/8" NYLOK SET SCREW	4
54	SC10156	TABLE INSERT	1
55	SC80407	M5 x 12mm SLOTTED CHEESE HD SCREW	1
56	SC10157	TABLE	1
57	OR93914	M8 x 30mm HEX SOC SET SCREW	1
58	OR70135	EXTENSION WING 12" CAST IRON	2

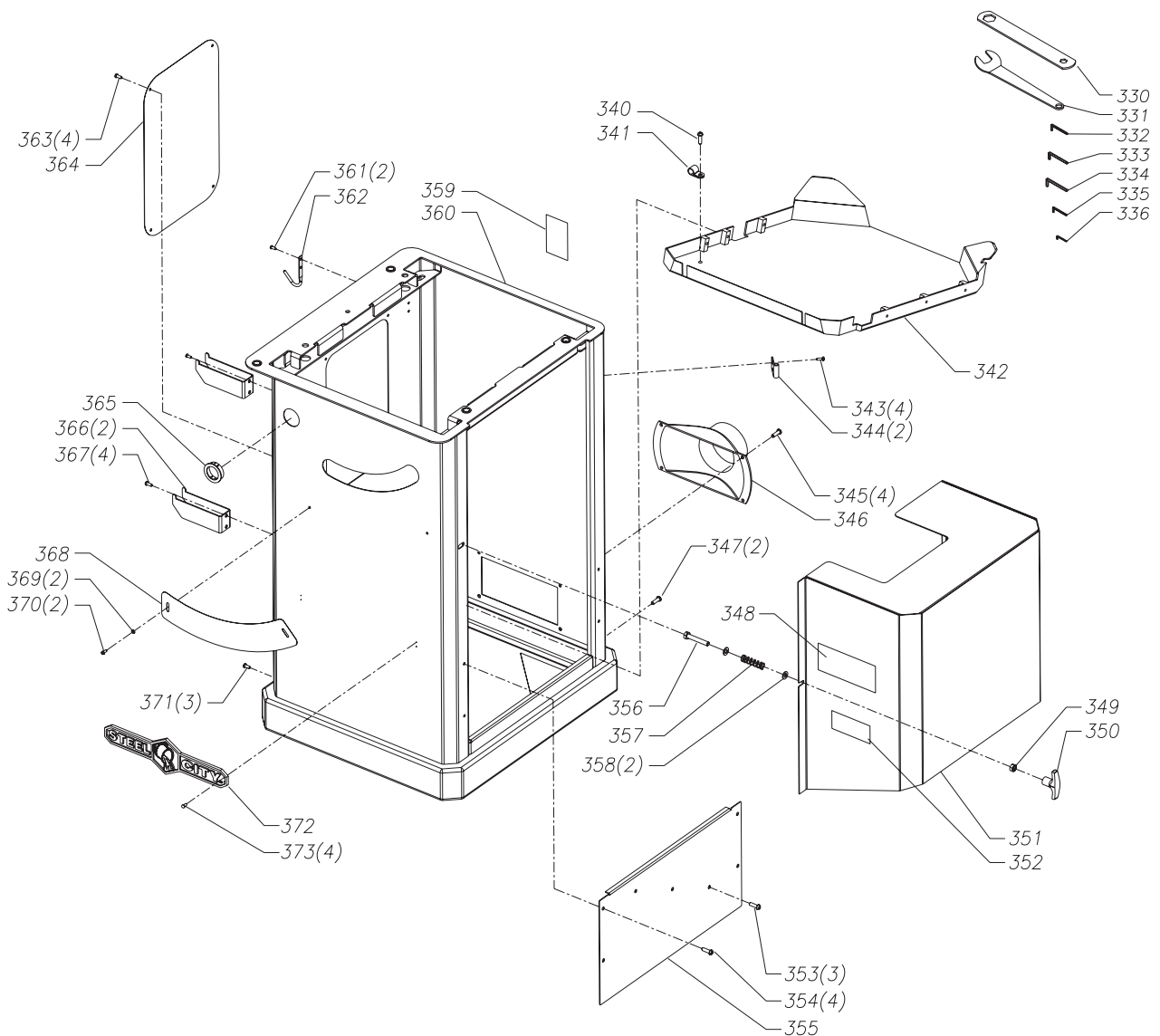
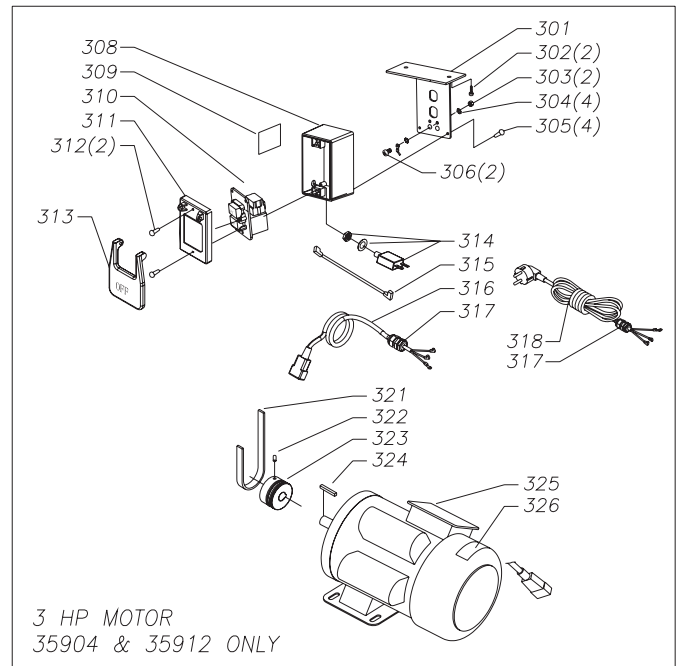
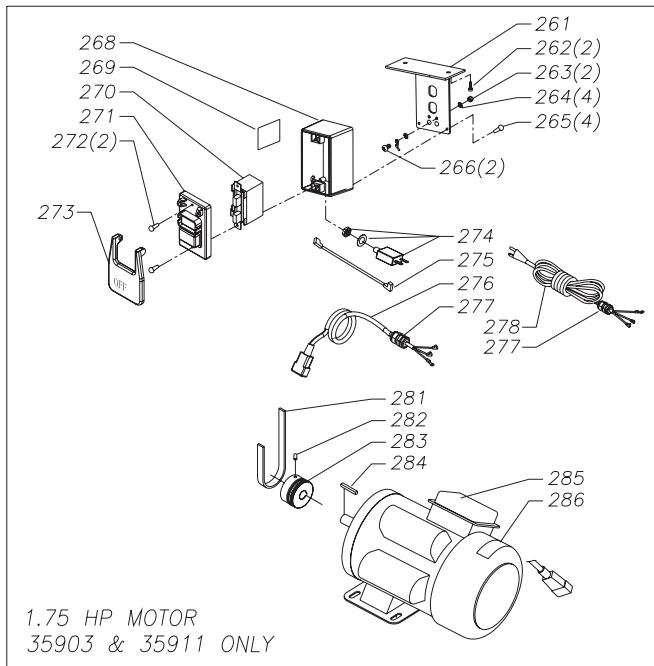
KEY NO.	PART NO.	DESCRIPTION	QTY
59	OR90308	M8 x 30mm HEX HD SCREW	8
60	OR91663	M8 LOCK WASHER	8
61	OR94207	M8 FLAT WASHER	8
62	OR93552	M6 x 8mm HEX SOC SET SCREW	8
63	SC10158	SPRING CLIP	1
64	SC10159	TABLE INSERT BRACKET	1
65	SC80203	M5 x 15mm HEX SOC HD SCREW	2
66	SC80603	M8 x 40mm HEX SOC NYLOK SET SCREW	1
67	SC82114	M8 FLAT WASHER (8.3x25x3.5)	4
68	OR91663	M8 LOCK WASHER	4
69	OR93535	M8 x 25mm HEX SOC HD SCREW	4

GRANITE TABLE FOR 35911 / 35912 ONLY

80	SC10160	MITER GAUGE ASSY (#81~#97)	1
81	SC10153	MITER GAGE KNOB	1
82	OR91084	SPECIAL WASHER	1
83	OR91573	MITER SCALE	1
84	OR90078	M4 HEX NUT	3
85	OR94404	M4 x 20mm PAN HD SCREW	3
86	OR91775	M4 x 15mm PAN HD SCREW	1
87	OR91082	CURSOR	1
88	OR91081	PLUNGER BLOCK	1
89	OR91080	PLUNGER	1
90	OR90143	M4 FLAT WASHER	2
91	OR91076	MITER GAGE BODY	1
92	SC10161	SPECIAL WASHER	1
93	SC10162	SPECIAL SCREW	2
94	SC10163	GUIDE BAR	1
95	OR91763	M4 x 16mm HEX SOC SET SCREW	4
96	OR91783	1/4" x 3/4" DOWEL PIN	1
97	OR91774	M4 x 10mm PAN HD SCREW	2
101	SC10164	TABLE INSERT LEFT PAD	1
102	SC10165	TABLE INSERT RIGHT PAD	1
103	OR91789	1/4-28 x 3/8" NYLOK SET SCREW	4
104	SC10166	TABLE INSERT	1
105	SC80407	M5 x 12mm SLOTTED CHEESE HD SCREW	1
106	SC10167	TABLE	1
107	OR93914	M8 x 30mm HEX SOC SET SCREW	1
108	SC80603	M8 x 40mm HEX SOC NYLOK SET SCREW	1
109	SC10168	SPRING CLIP	1
110	SC10169	TABLE INSERT BRACKET	1
111	SC80203	M5 x 15mm HEX SOC HD SCREW	2
112	SC82114	M8 FLAT WASHER (8.3x25x3.5)	4
113	OR91663	M8 LOCK WASHER	4
114	OR90634	5/16-18 x 1" HEX HD SCREW	4
115	SC10170	EXTENSION WING RUNNER	2
116	SC10171	TABLE RUNNER	2
117	SC10172	EXTENSION WING 12" (GRANITE)	1
118	OR91659	5/16-18 HEX NUT	3
119	SC80604	5/16-18 x 2" HEX SOC SET SCREW	3
120	OR91663	M8 LOCK WASHER	3
121	OR94207	M8 FLAT WASHER	3
122	SC10173	TORIENTED BLOCK	2
123	OR91821	M8 x 20mm HEX SOC SET SCREW	4
124	SC80301	M6 x 15mm HEX SOC FLAT HD SCREW	4



KEY NO.	PART NO.	DESCRIPTION	QTY	KEY NO.	PART NO.	DESCRIPTION	QTY
140	SC10174	HANDWHEEL ASSY (35903/35911 ONLY)	2	198	SC80104	M6 x 10mm HEX HD SCREW	1
146	SC80413	M5 x 25mm ROUND HD SCREW	2	199	SC10189	GIB	1
147	OR91017	TILT BRACKET	1	200	OR90308	M8 x 30mm HEX HD SCREW	2
148	SC82112	M5 FLAT WASHER (5.4 x 18 x 3)	2	201	Or91663	M8 LOCK WASHER	2
149	OR90381	M5 HEX NUT	2	202	OR94207	M8 FLAT WASHER	2
150	OR91816	M6 x 8mm HEX SOC SET SCREW	2	203	SC10190	MAIN TRUNNION	1
151	OR91762	1/4-20 x 1/4" HEX SOC SET SCREW	2	204	SC80104	M6 x 10mm HEX HD SCREW	1
152	OR91137	COLLAR	1	205*	SC10191	ELEVATING SHAFT ASSEMBLY (#205, 206, 208, 209, 210)	1
153	OR91018	TILT COLLAR	1	205	OR91793	3 x 20mm SPRING PIN	1
154	SC82702	3/8" FIBER WASHER (t=2mm)	1	206	SC10198	RAISE/LOWER SLEEVE	1
155	OR91768	9/16-18 JAM HEX NUT	1	207	SC10193	FRONT TRUNNION	1
156	OR91746	M10 x 45mm HEX HD SCREW	2	208	OR91792	3 x 15mm SPRING PIN	1
157	OR94231	M10 FLAT WASHER	2	209	SC10194	WORM GEAR	1
158	SC10175	FRONT BRACKET	1	210	SC10195	ELEVATING SHAFT	1
159	OR91738	ECCENTRIC	1	211	OR91501	M8 HEX NUT	4
160	SC10176	SLEEVE	1	212	OR91663	M8 LOCK WASHER	4
161	OR91793	3 x 20mm SPRING PIN	1	213	OR94207	M8 FLAT WASHER	4
162*	SC10177	TILT SHAFT ASSEMBLY, (NOT SHOWN) CONSISTS OF: 162, 163, 164	1	214	SC10196	MOTOR SUPPORT BRACKET	1
162	SC10178	TILT SHAFT	1	215	OR94207	M8 FLAT WASHER	4
163	OR91792	3 x 15mm SPRING PIN	1	216	OR90308	M8 x 30mm HEX HD SCREW	4
164	SC10179	WORM GEAR	1	217	OR90529	M6 FLAT WASHER	2
165	OR94231	M10 FLAT WASHER	2	218	OR90509	M6 LOCK WASHER	2
166	OR90227	M10 LOCK WASHER	2	219	OR93374	M6 x 20mm HEX SOC HD SCREW	2
167	OR90228	M10 HEX NUT	2	220	SC84003	8 x 30mm SPRING PIN	1
170	OR91746	M10 x 45mm HEX HD SCREW	2	221	OR90529	M6 FLAT WASHER	2
171	OR94231	M10 FLAT WASHER	2	222	OR90509	M6 LOCK WASHER	2
172	SC10180	REAR BRACKET	1	223	OR93374	M6 x 20mm HEX SOC HD SCREW	2
173	OR94231	M10 FLAT WASHER	2	224	OR91057	STUD	1
174	OR90227	M10 LOCK WASHER	2	225	OR70154	MOTOR SPRING	1
175	OR90228	M10 HEX NUT	2	226	OR91771	1/2-13 LOCK NUT	2
176	OR91766	5/8-18 JAM NUT	1	227	SC10197	MOTOR MOUNT STUD	1
177	OR91020	ARBOR PULLEY 1.75HP (35903/35911)	1	228	SC82113	M8 BIG FLAT WASHER	1
177	OR70143	ARBOR PULLEY 3HP (35904/35912)	1	229	OR94417	M8 x 10mm HEX SOC HD SCREW	1
178	OR91824	5 x 5 x 15mm KEY	1	230	SC10192	HEX NUT	1
179	OR91732	ARBOR SPACER 1.75HP (35903/35911)	1	231	SC10199	RAISE/LOWER SPACER	1
179	OR70144	ARBOR SPACER 3HP (35904/35912)	1	232	SC10200	POINTER	1
180	OR92137	M5 x 12mm PAN HD SCR	3	233	OR90529	M6 FLAT WASHER	1
181	OR94851	<6004 2Z> BALL BEARING	1	234	OR91826	M6 x 16mm CHEESE HD SCREW	1
182	OR94541	M5 x 25mm HEX HD SCREW	2	235	SC10201	HANDWHEEL ASSY (35904/35912 ONLY)	2
183	OR90799	M5 HEX NUT	2	236	SC10202	HANDWHEEL	2
184	SC10181	ARBOR RAISING SUPPORT BRACKET	1	237	SC10203	HANDWHEEL LOCK KNOB	2
185	SC10182	ARBOR SLEEVE	1	238	SC10204	INSERT HANDLE	2
186	SC82701	<6004> WAVE WASHER	1	239	SC10205	HANDLE LOCK	2
187	OR94851	<6004 2Z> BALL BEARING	1	240	SC10206	HANDLE SLEEVE	2
188	SC10183	ARBOR SHAFT	1	374	SC75003	SPECIAL SLEEVE	1
189	OR70400	BLADE (OD:10" , ID:5/8", TEETH:36)	1				
190	OR91026	BLADE FLANGE	1				
191	OR91050	BLADE HEX NUT-RH	1				
192	SC10184	WAVE WASHER	1				
193	SC10185	SPECIAL FLAT WASHER	1				
194	SC10186	ELEVATING PIVOT BOLT	1				
195	SC10187	ELEVATION PIN	1				
196	SC10188	ELEVATING BRACKET	1				
197	OR93552	M6 x 8mm HEX SOC SET SCREW	1				



KEY NO.	PART NO.	DESCRIPTION	QTY
1.75 HP FOR 35903/35911 ONLY			
261	OR91062	SWITCH SUPPORT	1
262	SC80104	M6 x 10mm HEX HD SCREW	2
263	OR90381	M5 HEX NUT	2
264	OR90362	M5 EXT TOOTH WASHER	4
265	SC80410	M4 x 16mm ROUND HD TAP SCREW	4
266	OR90507	M5 x 8mm PAN HD SCREW	2
267	SC10207	SWITCH ASSY (Incl.: #268,269,270,271,272,273,274,275)	1
268	OR91063	SWITCH BOX	1
269	OR91579	SWITCH RESET LABEL	1
270	OR90343	SWITCH FOR 1.75 HP	1
271	SC10208	SWITCH COVER	1
272	SC80411	M4 x 25mm ROUND HD TAP SCREW	2
273	OR91040	SWITCH PADDLE	1
274	OR70139	RESET SWITCH (25AMP,125/250V)	1
275	OR91032	JUMPER WIRE (BLACK) 1.75 HP	1
276	OR91007	CORD W/FEMALE DISCONNECTOR	1
277	OR70141	STRAIN RELIEF (7P-2)	2
278	OR91030	POWER CORD 1.75 HP	1
281	OR91721	BELT	1
282	OR90253	M5 x 12mm HEX SOC SET SCREW	1
283	OR91023	MOTOR PULLEY 1.75 HP	1
284	OR91770	5 x 5 x 36mm KEY	1
285	OR70427	MOTOR ASSEMBLY 1.75 HP	1
286	SC76014	MOTOR SPEC PLATE 1.75HP	1
i	i	i	i
3 HP FOR 35904/35912 ONLY			
301	OR91062	SWITCH SUPPORT	1
302	SC80104	M6 x 10mm HEX HD SCREW	2
303	OR90381	M5 HEX NUT	2
304	OR90362	M5 EXT TOOTH WASHER	4
305	SC80410	M4 x 16mm ROUND HD TAP SCREW	4
306	OR90507	M5 x 8mm PAN HD SCREW	2
307	SC10209	SWITCH ASSY (Incl.: #308,309,310,311,312,313,314,315)	1
308	OR91063	SWITCH BOX	1
309	OR91579	SWITCH RESET LABEL	1
310	OR70138	SWITCH FOR 3 HP	1
311	SC10210	SWITCH COVER	1
312	SC80411	M4 x 25mm ROUND HD TAP SCREW	2
313	OR91040	SWITCH PADDLE	1
314	OR70139	RESET SWITCH (25AMP,125/250V)	1
315	OR70140	JUMPER WIRE (BLACK) 3 HP	1
316	OR91007	CORD W/FEMALE DISCONNECTOR	1
317	OR70141	STRAIN RELIEF (7P-2)	2
318	OR70142	POWER CORD 3 HP	1
321	OR70147	BELT	1
322	OR90253	M5 x 12mm HEX SOC SET SCREW	1
323	OR70148	MOTOR PULLEY 3 HP	1
324	OR91770	5 x 5 x 36mm KEY	1
325	OR70428	MOTOR ASSEMBLY 3 HP	1
326	SC76015	MOTOR SPEC PLATE 3 HP	1
i	i	i	i

KEY NO.	PART NO.	DESCRIPTION	QTY
330	OR91726	7/8" x 1/2" WRENCH	1
331	OR91727	OPEN END WRENCH	1
332	OR90290	3mm ALLEN WRENCH	1
333	OR90291	4mm ALLEN WRENCH	1
334	OR91728	5mm ALLEN WRENCH	1
335	OR92172	6mm ALLEN WRENCH	1
336	OR91808	1/8" ALLEN WRENCH	1
340	SC80409	1/4-20 x 3/8" ROUND HD TAP SCREW	1
341	OR91737	CABLE CLAMP	1
342	OR91124	DUST CHUTE	1
343	SC80409	1/4-20 x 3/8" ROUND HD TAP SCREW	4
344	SC10211	HINGE ASSY	2
345	SC80408	1/4-20 x 1/2" ROUND HD TAP SCREW	4
346	OR91128	DUST PORT	1
347	SC80409	1/4-20 x 3/8" ROUND HD TAP SCREW	2
348	SC10212	WARNING LABEL	1
349	SC81102	5/16-24 HEX NUT	1
350	SC10213	KNOB	1
351	SC10214	MOTOR COVER	1
352	SC10215	WARNING LABEL	1
353	SC80409	1/4-20 x 3/8" ROUND HD TAP SCREW	3
354	SC80409	1/4-20 x 3/8" ROUND HD TAP SCREW	4
355	OR70165	CABINET SIDE PANEL	1
356	SC80106	5/16-24 x 2" HEX HD SCREW	1
357	SC10216	SPRING	1
358	OR94207	M8 FLAT WASHER	2
359	SC76010	SPEC LABEL (35903)	1
359	SC76011	SPEC LABEL (35904)	1
359	SC76012	SPEC LABEL (35911)	1
359	SC76013	SPEC LABEL (35912)	1
360	SC10217	CABINET ASSY WELDMENT	1
361	SC80412	M4 x 8mm ROUND HD TAP SCREW	2
362	OR91134	WRENCH HOOK	1
363	SC80406	M4 x 8mm PAN HD TAP SCREW	4
364	SC10218	CABINET ACCESS DOOR	1
365	OR91106	INSULATOR	1
366	OR91135	FENCE BRACKET	2
367	SC80409	1/4-20 x 3/8" ROUND HD TAP SCREW	4
368	OR70160	BEVEL SCALE	1
369	OR90143	M4 FLAT WASHER	2
370	SC80412	M4 x 8mm ROUND HD TAP SCREW	2
371	SC80409	1/4-20 x 3/8" ROUND HD TAP SCREW	3
372	OR70484	NAMEPLATE	1
373	OR93823	2 x 8mm RIVET	4
*	SC75002	MANUAL ENGLISH (NOT SHOWN)	i

